

Eechnical Note

No. 18-10

Boulder Laboratories

QUARTERLY RADIO NOISE DATA MARCH, APRIL, MAY 1961

BY W.Q. CRICHLOW, R.T. DISNEY, AND M.A. JENKINS



U. S. DEPARTMENT OF COMMERCE NATIONAL BUREAU OF STANDARDS

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NATIONAL BUREAU OF STANDARDS Technical Mote

No. 18-10

August 14, 1961

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by

W. Q. Crichlow, R. T. Disney, and M. A. Jenkins

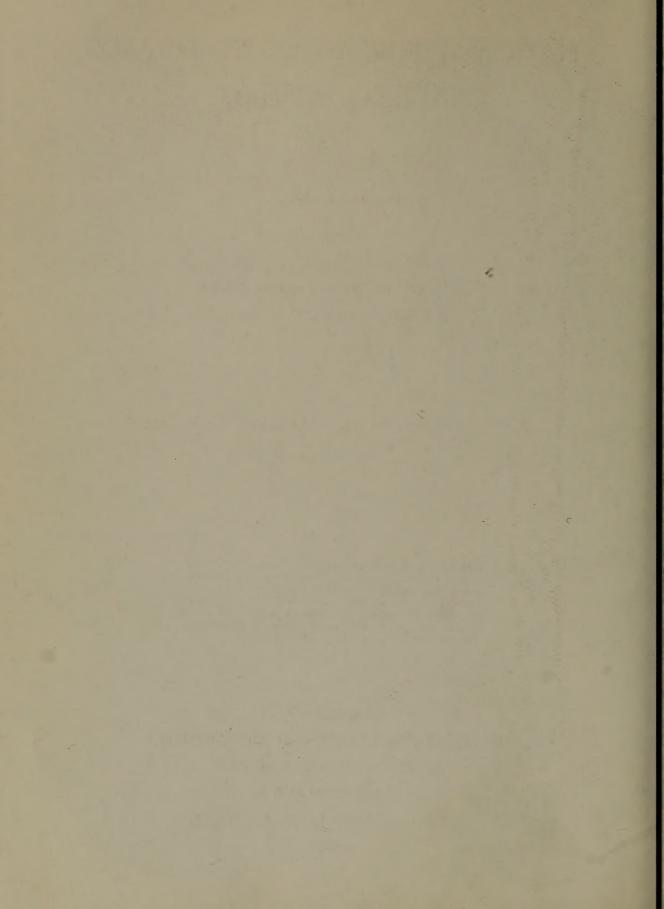
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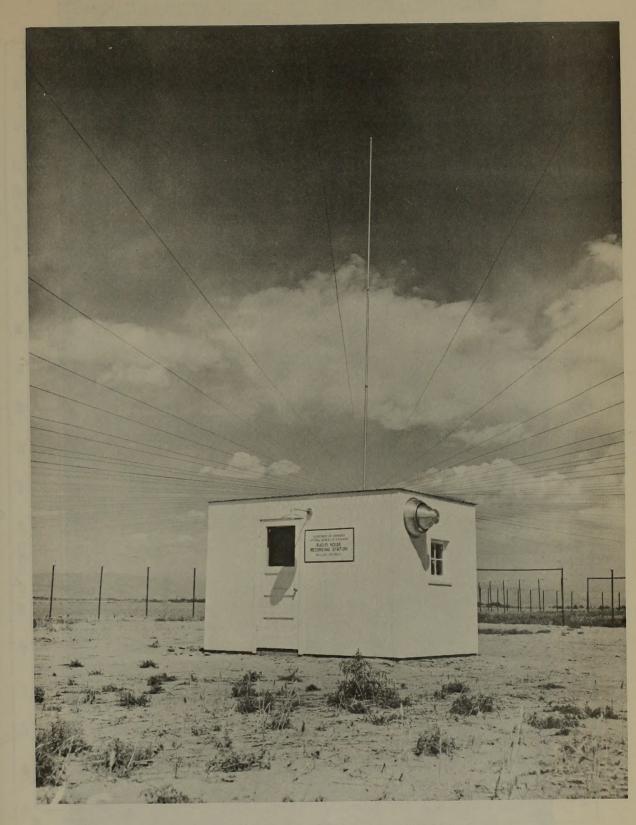
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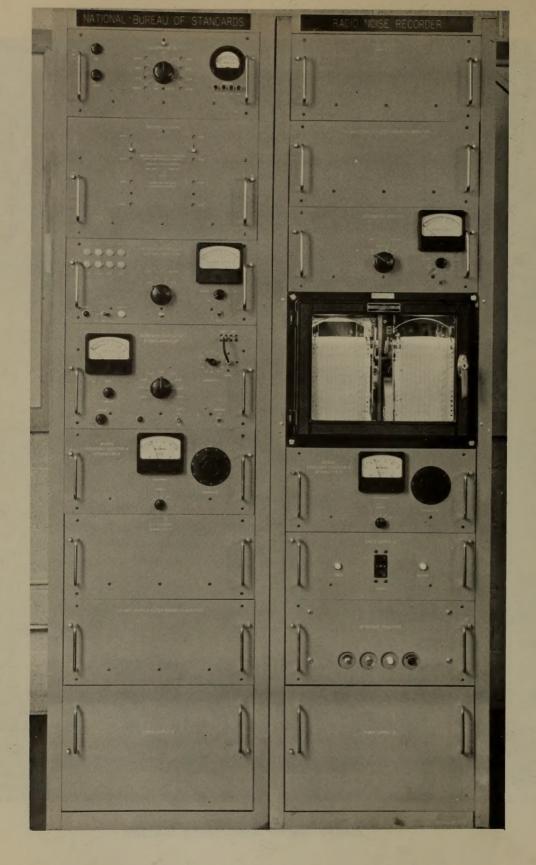
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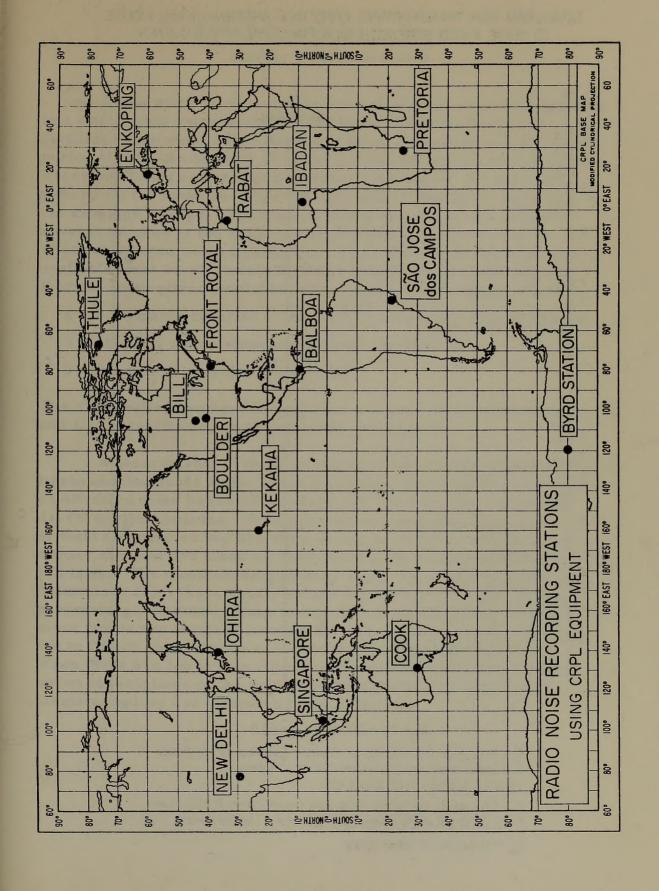




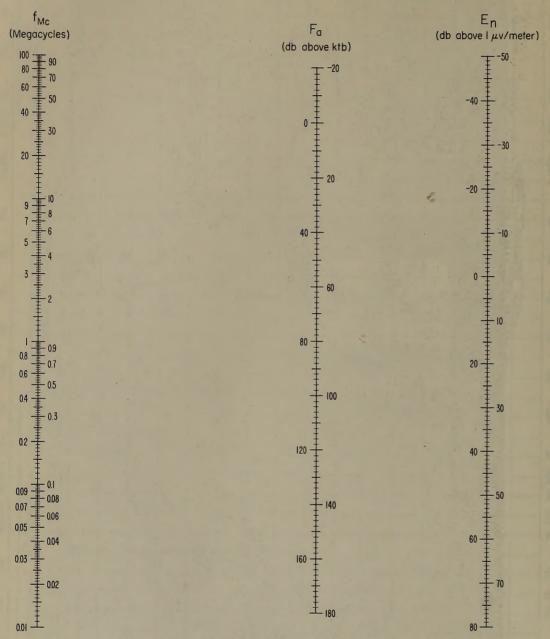
Radio Noise Recording Station



ARN-2 Atmospheric Radio Noise Recorder



NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY



 $E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$

 F_{α} = Effective Antenna Noise Figure = External Noise Power Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

 $\rm E_{n} = Equivalent\ Vertically\ Polarized\ Ground\ Wave\ R.M.S.\ Noise\ Field\ Strength\ in\ db\ Above\ I\,\mu\nu/meter\ for\ a\ I\,kc\ Bandwidth.$

f_{Mc}= Frequency in Megacycles.

Radio Noise Data for the Season

March, April, May 1961

Radio noise measurements are being made at sixteen stations in a world-wide network supervised by the National Bureau of Standards (see map). The results of these measurements for the period March, April, May 1961 are presented in the attached tables. These are based on three parameters of the noise: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure, F_a . F_a is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

k = Boltzman's constant (1.38 x 10⁻²³ joules per degree Kelvin)

t = Absolute room temperature (taken as 288° K)

b = Bandwidth in cycles per second.

The mean voltage and mean logarithm are expressed as deviations, V_d and L_d , respectively, in db below the mean power.

Measurements of these parameters were made with the National Bureau of Standards Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 c/s and uses a standard 21.75 vertical antenna. A fifteen-minute recording is made on each of eight frequencies two at a time during each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour. The month-hour medians, F_{am} , V_{dm} , and L_{dm} are determined from these hourly values for each of the corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day, and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power, or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

The upper and lower decile values of F_a are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median, F_{am} , and designated by D_u and D_ℓ , respectively.

Time-block median values of noise are tabulated on a seasonal basis, and are obtained by averaging all month-hour medians for the season within a particular four-hour period of the day. The time-block values conform to the seasonal-time-block values used in C.C.I.R. Report No. 65 (see attached references).

F_a in db is related to the rms field strength at the antenna by the following equation:

$$E_n = F_a + 20 \log_{10} f_{Mc} \sim 65.5$$

where

 E_n = the equivalent vertically polarized ground wave rms noise field strength in db above 1 $\mu\nu/meter$ for a 1 kc bandwidth. f_{Mc} = the frequency in megacycles/second.

The nomogram given may be used for this conversion.

The values presented in the tables reflect the actual measured radio noise; in some instances the atmospheric noise level may be contaminated by man-made noise or station interference. The parameter that will first reflect any such contamination will be the logarithmic parameter, Ld. This contamination generally will cause the value of Ld to be less than it would have been, had the recorded value been only atmospheric noise. In determining the amplitudeprobability distribution from the three measured moments [10], contaminated values of Ld may be found that will not give a solution of the amplitude-probability distribution. When this occurs, it is suggested that the measured value of Ld be ignored and the most probable value of Ld from the curve on the graph of Ld vs. Vd be used. The most probable value has been determined as the best fit for the integrated moments from over sixty measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on the graph indicates the minimum value of Ld that will give an amplitude-probability distribution by the method in reference 10, and

can therefore be used to determine whether the measured value or the most probable value of L_d for any value of V_d should be used.

Station clocks are set to a local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 5).

These preliminary data values are presented in order to expedite dissemination of the data. Additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications.

Stations in the recording network were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station; Front Royal, Virginia; Kekaha, Hawaii

Signal Corps, U. S. Army - Balboa, C. Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

DSIR (Great Britain) and University College Department of Physics (Nigeria) - Ibadan

Ministry of Communications, Wireless Planning and Co-ordination Organisation - New Delhi

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

Instituto Tecnologico de Aeronautica (Brazil) - São José dos Campos

Department of Scientific and Industrial Research (Great Britain)
- Singapore, Malaya

The assistance of the station operators and other personnel of these agencies in obtaining the data contained in this report is gratefully acknowledged. The following publications contain additional information on radio noise:

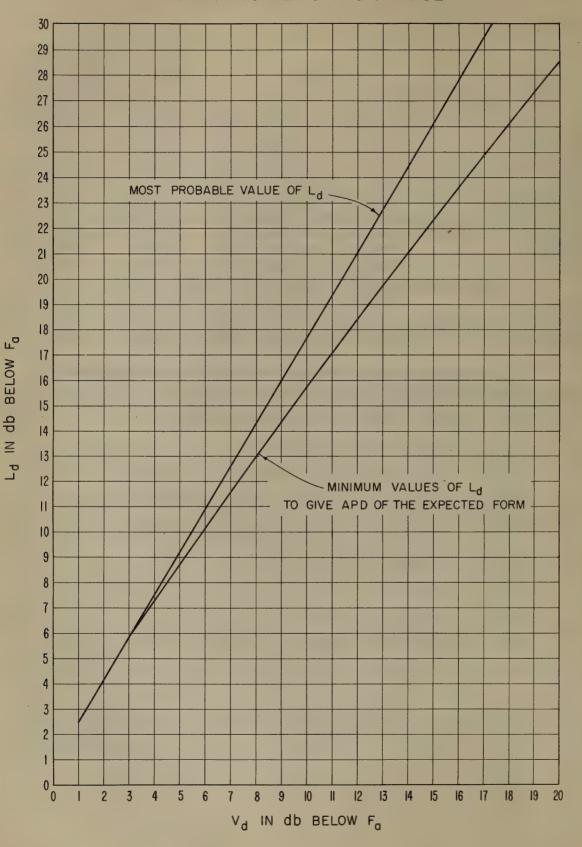
- 1. W. Q. Crichlow, D. F. Smith, R. N. Morton, and W. R. Corliss, "Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 Megacycles," NBS Circular 557, August 25, 1955.
- 2. "Report on Revision of Atmospheric Radio Noise Data," C.C.I.R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956 (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).
- 3. A. D. Watt and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45,1, 55 (1957).
- 4. W. Q. Crichlow, "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45,6, 778 (1957).
- 5. A. D. Watt and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45,6, 787 (1957).
- 6. F. F. Fulton, Jr., "The Effect of Receiver Bandwidth on Amplitude Distribution of V. L. F. Atmospheric Noise," National Bureau of Standards, VLF Symposium Paper 37, Boulder, Colorado, 1957.
- 7. H. E. Dinger, "Report on URSI Commission IV Radio Noise of Terrestrial Origin," Proc. IRE, 46,7, 1366 (1958).
- 8. A. D. Watt, R. M. Coon, E. L. Maxwell, and R. W. Plush, "Performance of Some Radio Systems in the Presence of Thermal and Atmospheric Noise," Proc. IRE, 46,12, 1914 (1958).
- 9. W. L. Taylor and A. G. Jean, "Very-Low-Frequency Radiation Spectra of Lightning Discharges," NBS J. of Research-D. Radio Propagation, 63D, 2, 199 (1959).
- 10. W. Q. Crichlow, C. J. Roubique, A. D. Spaulding, and W. M. Beery, "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," NBS J. Research-D. Radio Propagation, 64D, 1, 49 (1960).
- 11. Tatsuzo Obayashi, "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," NBS J. of Research-D. Radio Propagation, 64D, 1, 41 (1960).

Data included in this report and the standard time for each station are as follows:

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	March April May 1961	75 W	+05
Boulder	March April May 1961	105 W	+07
Byrd Station	March April May 1961	120 W	+08
Cook	March April May 1961	135 E	-09
Enkoping	March April May 1961	15 E	-01
Front Royal	March April May 1961	75 W	+05
Kekaha	March April May 1961	150 W	+10
Ohira	March April May 1961	135 E	-09
Pretoria	March April May 1961	30 E	-02
Correction	sheets for Jan., Feb. 196	l	
Rabat	March April May 1961	GMT	0
São José dos Campos	March April May 1961	45 W	+03
Singapore	March April May 1961	105 E	-07

Previous data from the NBS World-Wide Network have been published in the following Technical Note 18 series:

18-1	July 1, 1957 - December 31, 1958
18-2	March, April, May 1959
18-3	June, July, August 1959
18-4	September, October, November 1959
18-5	December, January, February 1959-60
18-6	March, April, May 1960
18-7	June, July, August 1960
18-8	September, October, November 1960
18-9	December, January, February 1960-61



USCOAR NES-PL

			E	3.0	3.0	3.0	0.0	2.0	2.5	3.0	4.0	4.0	4.5	4.0	5.0	6.0	5.5	4.0	4.5	12	0	4.5	5.0	4.5	3.0	3.0	35
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Month			Ndm I	15:5	4.5	* 5°	4.0	3.5	3.0	45	5.5	8.0	* 0.0	8.0	* %	*0%	7.0	6.0	40.9	41.5	4.0	4.5	_	* 3°	5.0	\$50	4,5
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F			Vdm Ldm	2.9	8.0	8.0	9.0	8.5	9.0	* 5.8	4 12.0	13.0	14.0	11.5	5.0	5.0	8.0	7.5	\$ 10.5	8.5	7.0	¥ 5.5	4.5	* 0.2	6.0	7.5	0.0
Long.			Vdm	35	5.0	5.0	5.0	5.0	5.0	# 5.5	8.0	\$ 0.0	9.0	7.5	3.5	4.0	6.0	5.0	7.0	5.0	4.5	30	3.0	3.0	3.5	\$.0	5.5
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Zone			Ndm	5.0	5.5	3.5	6.0	15.5	6.0	8.0	4.5	5.5	3.0	200	30	* C.S.	2.5	2.0	1,5,	3.0	4.5	6.0	6.0	4.0	4.0	4.5	4.5
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Balboa,	ncy		Ldm	9.0	9.0	9.5	0.//	11.0	13.0	6.5	6.0	5.0		4.5	*12	4.0	5.0	6.0	75.5	0.8/	0.6	7.0	9.0	9.0	7.5	8.5	15.8
	Frequency		Vdm 1	5.0	5.5	6.0	6.0	12.0	8.0	4.0	4.0	3,5	5.0 6.5	3.0	3.0	3.0	3.0	4.0	8.0 125	8.5,	7.5	5.0	5.0	5.5	4.5	5.0	5.0
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0			dm L	8.5 13.0	0 %	1.0.	0.8	9.0	1.5.	1.0.1	1.0	1.0/	2.0	1.0.1	9.5 16.0	7.5	9.0 14.0	0.0	9.0 /	7.5	1.0/	9.0 1	8.5	8.0	1.0 /	7.0 /	7.0 /
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2			dm Lo	2,0 /3	5 /4	9.5 12	100	15/	0 /5	.5/	15,	0 /5	0 16	1/5.	0 /6	.0 /3	11/2	5/19	9.0 14	0 /4	90 14	0 /3	1,50	0 /3	5 14	0.0	0.
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 $F_{\rm gm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\cal K}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

19 61
April
Month
79.5 W
Long.

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9.0
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Canal Zone
Station Balboa, C
NOISE
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VALUES
MONTH-HOUR VALUES

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			/dm	\$.0	5.5	5.0	* P	5.5	5.0	* 12	7.0	*0.	* 0.		6.0	\$.0	¢.0	6.0	4.0	*13	\$.0	* 6.	\$.0	4.5	\$.0	*12	* 2.
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ľ	(Mc)		n o	00	79	9	12	12	7	2	2	6	15	000	/8	Ī	77	33	2	28	//	12	7	4	7	9	7
			Fam	65	67	62	69	69	69	79	52	46	39	14	37	43	39	14	45	14	50	5-9	65	65	65	65	67
	Frequency		Ldm	0.21	11.0	13.0	13,5	105	11.0 18.5	13.5 21.0	*/5.5/	0.61	*	*	* 15:0	20.5	20.0	* 17.0	0.81	10.5 17.5	16.0	0.0/	11.0	10.5	11.0	0.0/	11.5
	nba	5	/dm	6.5	6.5	8.0	2.0	6.0	1/.0	/3.5	40%	5://	12.0	56	*00	12.0	11.5	10.0/	10.5	10.5	9.5	6.0	6.5- 11.0	6.0	6.0	6.0	6.5
l	T.	.495	70	9	9	8	9	00	00	7	20	16	17	14	77	20	مد	19	. 8/	15	14	11	00	9	4	4	2
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Ì				13.5	/3.0	/3.5	13.0	13.0	17.5	21.5	2000	15.0 21.0	23.0	* 51/2	140 2a0	0.10	5.9/	18.0	10.5 17.0	17.0	19.0	9.0 14.5	12.5	11.0	13.0	13.0	13.5
ł			DZ Vdm Ldm	0.0	9.0	8.0	20	7.5	11.0 175	25/135/25	13.0 20.5	15.0	15.0 23.0	16.5	14.0	120 21.0	13.0	11.5	10.5	10.5	12.0 19.0	9.0	7.5	6.0	6.5	7.0 12.0	5.5
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ŀ			Fam	117	119	119	119	118	117	12.5 18.5 113	113	111	110	108	109	108	0//	1/3	80/ 0.9/ 0.0/	111	110	113	117	117	90 140 117	117	117
i			Ldm	9.5 140	611 0.91 5.01	10.0 15.0 119	9.5 16.5	11.0 165 118	11.5 16.0 117	18.5	13:5 20.0	135 19.5 111	10 12 13.5 20.5 110	10 13.0 19.5 108	12.0 19.0 109	11.0 175 108	10.0 14.5 110	11.0 16.0 113	0.9/	10.0 16.0	8 100 160 110	10.0 16.5 113	10.0/6.0/17	9.5 145 117	14.0	8.5 13.0 117	10.0 15.0 117
ł			Dr Vdm Ldm	2.5	10.5	10.0	9.5	11.0	10.5	12.5	13:5	135	13.5	13.0	12.0	11.0	0.01	0.//	0.0/	10.0	10.0	0.0/	10.0	9.5	9.0	8.5	0.0/
į		. 051	70	4	1,0	7	9	જ	00	0/	2	19	7	10	00	9	7	9	2	12	00	2	12	7	7	2	~
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			DA Vdm Ldm	11.0	12.5	0.01	0.77	0.0	011	0.0/	11.0	11.5/1	13.0	11.5	11.0	10.5	9.0	11.0	9.5	9.5	0.01	2.01	0.//	12.0	9.6	10.0	11.0
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			D ₀	9	ک	75	7	٦	a	ď	7	4	-9	7	4	7	٦	1,2	*	9	4	૪	7	W	7	7	2
			am me	158	158	15-8	091	79/	162	160	15-8	158	8_5/	15-8	851	160	160	19/	162	79	160	160	160	160	8-51	150	15-8
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 $F_{\rm gm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decite to median in db $D_{\rm g}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Frequency (MC) 2 S of this field by the fie			E	1		0	0	0	0	10	15	0	0	5	١'۸	0	2	1	7	15	۵	0	0	1,	0	0	0
Fig. 0. 0. Vinn Amilian Box 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10			n Ld	أنستنسن		~			8	_	1		1.0	4'7			- 5			_	10		\rightarrow	5	7		
Fig. 10 10 10 10 10 10 10 10			_		1.5	1.5	2.7	1,5	/. \$	1.5	2./	∔ γ̈́	* &	+~	**				3	4.0	~	3,	Ý	Š	\sim		7
Free Day 19 (1994) Free D		20	Ya	0	0	_	_	4	~	~6	~	2	7	~	1~	12	9	t	4	4	7	W	7	#	7	4	4
From 0. 12 Year line from 0. 12 Year line from 0. 10 Year line from 0.				00	00	0	7	٠	4	00	4	6	01		\~	6	9	00	4	2	~	d	4	4	9	00	0
From 0. 12 Year line from 0. 12 Year line from 0. 10 Year line from 0.			Fam	5	25	24	24	25	23	15	150	75	150	27	26		29	49	29	50	3	50	27	25	25	2	32,
18 24 19 19 19 19 19 19 19 1				5:5	5:0	*00	-	9.0	15,5	7.0	2.0	7.0	0.5	2.0	0.0	3.5	1.5/	0	9.0	7.0	7.0	7.0	7.0	6.0	6.0	6.0	77.
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Fam Du De Volm Lam Fam Du De Volm De Volm Fam Du De Volm Fam Du De Volm Fam Du De Volm Du De Volm Fam Du De Volm Du Du Du Du Du Du Du D	nbe		Vdm	6.0	6.9		9.0	2.0	15.6	0.0/	4.0	7.0		12.0	4,0.0	12.0	511	0.//	10.5	0.0/	0.0	10.5		2.0			7.0
1013 160 170	F.	95	7 ₀	9	9	10	9	00	11	4	7	0	9	9	7	20	4/	9/	77	9	9	11	2	00	9	9	9
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Fam Du Dr. Vam Lam Fam Dr. Vam Lam Fam La			mp/				20	7.0	12	2.0	0	3.0		X 0.6	12.5		25.	1.0	12.0	11.0	2.5		0	0	$\overline{}$	0	0
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 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{A}}$ = ratio of median to lower decile in db $V_{\alpha m}$ = median deviation of average voltage in db below mean power $L_{\alpha m}$ = median deviation of average logarithm in db below mean power

JSCOMM, NBS.-PL

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March
Month
Long. 105. 1 W
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Station Boulder
NOISE
RADIO
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04	15.57	9	9	9.0 14.5 126	1,5		01	2	7.0 12	12.0 /6	8 901	9/8	*5	* 6	0 7	9 12	2/2	2 7.0	1/.5	57	7 12	9	6.0	10.0	53	91	0	6.0	0.1/	3%	7	3	5.0	7.0	74	2	*~	* 0.0 * 7.
02	121	7	7	85 14.5	5	124	1 8	11 6	6.0 #	-	9 86	000	40	9 4	5 6	7 14	8	\$5.0	10.	52	11	6	6.0	9.0	53	10	0			40	77	9)	5:0	7.5	7	7	4	3.0 4.0
90	153	3	9	* 10.01	* 16.0 123		7	10 00	8.5-	11.0 9.	92 14	61 4	9 5.0	0.60		62 14	3	**	* 0.0	5	۰ ۵	2	6.5	9.5	ξ	7	2	3.5	6.0	3	e	9			77	3	4	3.0 4.0
20	151	7	2	0.8/ 0.0/	0.		101	17 %	8.0 4.3.0		90 16	6 22	2 40	0 7.5	2	3 4	7	* m	\$ 0.0	45	6	10	5.0	6.0	40	2	0	5.5	2.0	40	7	7	4.5	7.0	26	9	* 2	* 0.0°
08	153	9	00	11.5 17.0 118	* 0.	8		e-*	6.0 10.5		92 14		22 6.5	5 /0.0		01/19	7	r 2.	* 3	43	8	00	4.0	6.0	39	00	2	4.0	0.3	36	7	100	3.5.	0.9	75	9	7 m	* 0.5 4.0
60	151	<i>∞</i>	9	11.0 16.0 125	.0		4	24 7	7.0 12.	12.5	C1 46		\$ 5.5	5 8.5		63 14	9	4,0	* 0 .S.	43	000	9	4.0	5.5	*W			٠,٧٧	4.5	36	2	00	35	12,72	26	9	*2	4°0 ×
0	153	8	10	11.0 16.0 124	0.		7	9 5	5.0 9.0	_	92 15		5 4	41.	9 0	3 16	7	6, x	10.01	43	8	W	2.5.	4.0	37			4.0	5.5	32	10	9	3.0 4	4.5	*27		* W	* × × × × × × × × × × × × × × × × × × ×
Ξ	155	9	00	11.0 16.0 125	0		00	7 7	7.0 12	12.0 9	93 19		9 6.	\$ 6.	9	3 14	,	4.0	\$,5	43	7	8	3.0	4.0	35			40	5.5	34	0/	9	4.06	6.0	26	4	+ 2	40 5.0
12	155	-	0/	12.0 175	2	123/	101	14 6.	6.0	0.01	41 6		5, 800	0 12.5	29	3 16	7	2.0	5:0	45	5	4	2.5	5:0	39	7	2	2.5	4.5	34	4	9	5:5	0.0	38	7	*~	3.5 4.5
13	153	8	0/	11.517.0	0	124	/ 7/	15 10	10.0 15.0		92 /	16/	7.0	0.01 0	9	3 19	7	*6	+ 6	45	-9	7	ري رع	5.0	36	c	6	3.5	5.5	34	15'	2	5.0 8	8.5	38	6	40	3.0 5.0
4	155	2	0/	11.0 14.5 Ja3	1,51	23	1 40	12 4	7.0 12.0		93 14		12 6.5	5 9.5	-9	2	~	4.0	5.5	47	7	7	3.0	5.0	37	11	7	3.0	5.0	38	/3	9	12.0	9.0	38	7	7	40 5:0
15	155	0	7	10.0 14.5		123 /	15/	15.9	9.0 13.0		96 20	11 0	000	0.010		65 18	2	30	,5,0	45,	11	78	3.0	4.0	39	14	2	3.5	5.5	27	10	7 6	6.0.1	11.5	26	6	* ~	4.0 6.
9	155	6	76	11.0 17	17.5 1	125/	1 9/	13	80 12.5		18 36		9 6	8.0 12.0	9	2	9	4.5	0.0	45,	1/2	~	3.0	5.0	49	0	10	4.0	7.0	9 1	9	2			26	9	3	3.0 5.0
17	154	1	6	10.5 16.0 127	0.		/ //	1/	8.0 /4	14:0 104	K/ 40	3		6.0 12.5		73 14	6	45	00	47	11	12	3.0	5.0	53	4	7			50	8	7 6	6.0	95.	26	7	4	3.0 5.5
8	11 551			10.0 15.0 127	0:	27	/4	70.	7.5 12.	12.0 /1	51 701		9 5.5	5 10.0		82 12	15/	5.0	9.0	57	`	00	7.0	10.0	S	9	0	4.5	9.0	45	2	9			2	h	4	2.5 5.0
<u>6</u>	156	0	1.4	11.0 16	16.0 %	1961	14/	13 7.	7.0 13.0		107 /3		9 7	0/0.0	00	2 8	15	6.0	10.0	57	5	5	4.0	10.0	53	4	0	6.0	10.0	50	ィ	7 "	4.0 8	8.5	مدد	6	4	2.5 4.
20	153	01	14	14 115 170	10	129/	0/	2	6.5 11.0		0/ 80/	7	6.0	0.0/ 0		90 8	_	6 5.0	7.5	57	7 7	9	30	6.0	53	11	0	5.0	9.5	84	4	00			22	2	*)	3.0 4.0
2	15-5 10		4	12 10.0 16.0	9:	130 /	7	7 6.		12.5 16	01 801	8	3 7.0	0.0/ 0	68 0	11	/3	* 4.5	* 6.5	57	8	2	4.5	9.0	کی	- 7	76			36	4	4 01	40	7.0	47	9	7	2.0 4.
22	15.5	10	-	11 11.0 17.0 131	9.		00	2 1	7.0 /2 *	x 1/1 0.01	0/2/	000	0 7.5	5 /2.0		93 5	16	6.5	70.5	57	7 9	72	6.0	9.5	S	10	0	5.0	9.5	49	1/2	11 3	3.0 6	6.0	70	7	4	2.5 4.
23	155	6	0/	11.0 15.0 131	10:	_	8	11 6.0	0/0	10.5	114 6	6 22	2 6.0	0 10.0		93 6	/3	* <u>, v.</u>	* 63	57	6 1	7			53	9	べ			34	2	10/	1.5.9	10.0	オペ	1,0	√.	3.0 4.0
											-			-				1	-		1	-	-						1	1	1		1	1			1	-

 $F_{\rm dm}$ = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db D_{χ} = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

1.5 35 1,5 3.5 2.0 \$.0 1.5 4.0 * 5 * XS 1,5 3.5 1.5 3.5 2.0 3.5 2.0 4.0 15/35 mp7 mp/ 70 2 1.5 3.5 1.5 3.5 3.0 5.0 3.0 5.0 3.5 5.0 2.0 4.5 * W. * 1.5. 2.0 1.0 0 7 t 0 R ۵ 3 7 7 γ ~ T 2 3 ~ 3 7 7 3 5 7 Tro 77 57 * 24 かか 74 797 20 36 74 25 3.5 6.0 24 44 70 70 200 4.0 6.5 3.5 6.0 45 7.5 3.0 6.0 10.01 Vdm Ldm 3.0 5.0 4.0 6.0 4.5 6.5 6.0 8.0 6.5 9.0 13.0 9.5 9.0 6.0 10.0 9.0 4.0 7.0 4.0 6.5 3.0 5.0 3.0 7.51 6.0 5,5 DE 7 01 8 7 7 8 5 0 5 7 γ

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3.0 15, * &

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10.5 16.0 80

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17 63 3 3

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6.0 8.0

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11.0/16.5 11.0 17.0 9

57

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107

9.0 14.0

105

14.0 15.0 14.5

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123

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5

153 154

11,0 16.0 143

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8 <u>6</u> 20

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200 54

61

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April

Month

105.1 W

Long.

40.1N

to

Station Boulder, Colorado

NOISE

RADIO

P

VALUES

MONTH-HOUR

Q 4

Vam Ldm Fam

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P

Fam

De Vam Lam

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Fam

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20 Fam

DZ Vdm Ldm

ď * 50

Vdm Ldm

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051

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Hour (LST)

9.0 14.5 87

7.0 11.5 105 12.5 105

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125 126

12.5 17.5

154

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4 + 4

157 153 151

02 03

127

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8

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2

(Mc)

Frequency

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* 5 ° S 40.07

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11.5

83

10.5 17.0

66

6.0 12.0 8.0 M.S

133

10.5/16.0 11.0 16.0

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73

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8.5 14.	8.0	
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11.0	17.0	
11.0	11.0	
7	7	
>	8	
CC/ 77	153	
77	23	

Fam = median value of effective antenna noise in db above $D_{\mathbf{U}}$ = ratio of upper decile to median in db $D_{\mathbf{\mathcal{K}}}$ = ratio of median to lower decile in db

4.50

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47 84 9 1 7/2

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10

7.0 11.0 61

 V_{dm} - median deviation of average voltage in db below mean power L_dm = median deviation of average logarithm in db below mean power

USCOARL HES-EL

ALUES OF RADIO NOISE Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month May 19 61	Frequency (Mc)	160	1 Du Dz Vam Lam Fam Du Dz Vam Lam Fam Du Dz Vam Lam Fam Du Dz Vam Lam Fam Du Dz Vam Lam Fam Du Dz Vam Lam Fam Du Dz Vam Lam Fam Du Dz Vam Lam Fam Du Dz Vam Lam Fam Du Dz Vam Lam Fam Du Dz Vam Lam	120 8 12 5.0 11.0	20/ 20/ 20/ 10/	118 8 12 70 11.5	1/18 9 /3 7.0 12.0	108 14 13 95 15:0	61	102 18 19 90 140	1/04 15 22 9.0 14.0 ll	101/6 22 8.0 14.0	104 12 25 85 150	1124 16 26 80 150	1/05 /3 /8 /00 /60	114 11 27 10.0 14.0	118 /3 30 /0.5 /6.5	09/00/20 11	100 12 23 80 135	(122 /4 22 8.0 /30)	1/19 /8 /5 7.0 /3.0	116 14 13 7.0 11.5	00/09/2/0/8//	1/20 9 10 5.5 9.5	1,20 6 9 5:0 9:5	122 6 14 50 10.0	1/20 9 9 6.0 11.0
MONTH-HOUR VALUES OF RADIO NOISE	(IS	١ (١٦	Fam Du Dx Vdm Ldm Fam Du Dx Vdm Ldm Fam	00	02/	02	03	108	05	06 /02	07	08	For 60	<i>hal</i> 01	11	11/4	8//	11/8	96/	27/	6//	9//	8//	06/ ا	00/	22	01/

 f_{am} = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

61			Vdm Ld																							-	
6		0	70	0	0	0	0	4	~	7	γ	7	0		~	4	~	4	_	76	0	0	0	0	0	0	0
님		20	D _u	٦	8	~	~	7	ત	٦	1	8	7	4	4	76	0	ィ	~	4	4	4	4	16	4	8	2
March			Fam	17	17	17	17	17	17	17	17	17	17	17	61	19	19	19	19	19	17	17	17	17	17	17	17
			Ldm																								
Month			Vdm Ldm																								
ž			70	00	2	/3	9	01	00	11	00	10	6	7	7	e	7	2	8	0	9	8	0	1	~	8	e
≱ .		10	n _Q	9	00	9	8	h	2	7	e	4	2	72	7.7	151	0/	e	9	7	7	7	4	00	d	00	2
120.0 W			Fam	7	22	24	22	20	18	61	16	16	16	20	78	18	20	20	مام	26	26	28	88	26	47	50	2
J. 12			E P												-												
ouo-			Vdm Ldm										-										•				
S			70	7	14	6	6	-	00	10	7	7	~	7	7	9	9	2	00	0/	15	14	7	-	7	00	7
0.0		2	n _O	1/	14	14	13	6	8/	0/	7	9	10	3	00	•	2	3	7	00	2	9	00	11	4	ব	7
Lat. 80.0 S Long.			Fam.	3	31	29	30	29	23	23	76	17	15	18	18	70	25	27	2/	31	36	33	35	3	33	35	23
٦			Ldm																								
at.			Vdm Ldm																								
, A		5	J'a	6	4	4	4	4	4	4	4	~	~	٦	~	~	~	1	0	~	4	4	7				
tion	(Mc)	2.	Du	9	9	00	7	00	9	9	6	7	S	00	7	~	00	00	8	4	4	7	9				
Sta			Fam	27	26	25	26	25	150	25	23	he	23	23	23	27	27	25	150	24	26	27	47				
Station Byrd Station, Ant.	Frequency		DZ Vdm Ldm																								
on B	adne	Ī	Vdm																								
statie	Fre	545	7 0	٠	7	7			7	7	7	7	9	7	8	-9	9	7				9	12	5	7	12	7
U)		ž.	٥	W	4	7			4	W	12	В	ઢ	4	ħ	~	ħ	Υ				4	8	8	4	4	4
			Fam	23	S	53	* 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	*15	5	52	5,3	53	55	54	5	53	S	3	*15	*c2	3,4	53	5	53	S	53	3
NOISE			D. Vdm Ldm Fam																								
9			Vdm																								
		246	70	7	~	ヾ			٧	~	ょ	1	7	4	4	6	4	h				~	જ	4	べ	~	7
ADIO		. 2	na	5	ام	7			8	9	4	8	7	4	9	W	7	7				1	6	72	٦	ત	7
RA			F _G	64	49	64		49	po	64	100	19	99	65	49	99	99	29	* 00 × 10 × 10 × 10 × 10 × 10 × 10 × 10		400	79	99	99	99	99	99
OF			D& Vdm Ldm																								
			Ndm V																								
Ä		113	70	7	7						2	9		*		7	2	3				7	7	7	7		3
AL.		-	na	7	9						7	4		0		7	12	e				7	•	7	2		~
>			Fa Fa	83	8	*8	€,	\sqrt{g}	88	+00	83	18	S.	18	£2°	8	18	18	79		E.	83	85,	55	3	100	81
R			Vdm Ldm																								
P																											
+		051	DL	ત	ત	4	7	2	7	4	4	7	4	2	*	ধ	~	7	7	٦	6	4	ィ	16	1	7	~
广			ρ'n	γ	7	4	~	0	16	4	0	0	7	-	0	8	~	λ.	~	4	4	1	76	1	4	18	7
7		1			A.						1 -		-	10	-	-	1 -	- 3	101	10	10	w,	M	[0]	10	~1	w.
MONTH-HOUR VALUES	(TS.		Hon	00 115	11/2	02 /15	03 /15	04 //5	05 //5	6// 90	07 1/5	08 //5	60 1/3	10 /15	115	12 115	3 115	14 1/15	15 /15	16 115	17 115	18 //5	5// 61	20 //5	21 //5	22 //5	23 //5

 F_{qm} = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db $D_{\mathcal{A}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of overage logarithm in db below mean power

19			Vdm Ld																								
<u>o</u>		20	D.A.	0	0	0	76	~	4	7	0	76	76	0	0		ત્ર	~	0	~	0	0	0	0	0	۵	0
1			Du	7	6	7	イ	~	~	7	~	4	4	7	+	4	4	4	0	0	4	~	6	0	4	4	1
April			Fam	18	18	18	18	18	18	18	81	18	18	8	18	18	6	20	20	18	18	18	18	18	18	81	18
٦			Ldm																								
Month			De Vem Lem																								
Σ		10	DE	76	7	9	9	9	く	5	00	و	10	9	9	7	4	7	7	7	7	0	72	9	9	*	7
A			Du	9	4	4	9	4	و.	3	و	9	0	3	9	5	4	4	4	3	7	p	12	9	00	7	7
20.0			Fam	かで	7.4	2	دد	7	て	7	4	20	7	22	4	イベ	77	4	7	26	26	26	57	24	77	مهر	24
71 · 6			Vdm Ldm																								
Lo			Vdm																								
0 S		5	De	10	6	00	7	00	00	14	Ź	5	10	9	00	0	7	4	7	15	12	10	7/	1		14	9/
80.			n Du	2 10	1 6	0	7	14	14	00	00	0	00	00	00	2	00	6	9	7	0	00	7	9	9	-	e
Lat. 80, 0 S Long. 120, 0 W			n Fam	32	29	28	25	26	24	28	26	2	44	7	44	28	26	78	32	34	34	34	36	34	34	34	36
			De Vem Lem																								-
Ant		5	P/ 3)					al		~		~	~	~		(_		7	7	~	4	
on.	<u> </u>	2.		4 01	7 8	7 0	0 2	8	<i>w</i>	2	4 9	7 9	8	1	۲	~		10 2	h 01	5 8	7 4	9 01	0/	00	7	79	7 00
tati	(Mc)		Fam Du	2	26	0/ 7	1 100	28	27 9	750	76	74	8 hr	8 24	24 8	8 ht	6 -54	1 24	1 92	80	26	180	7 90	he	36	799	26
Station Byrd Station, Ant.	ح			~	~	26	4	~	~	76	7	~	4	76	8	~	7	1		7	1	<u>₹</u>	- 0	-0	~		-6
JB V	Frequency		De Vem Lem									_															
atior	Frec	545	/ Ja	3	~	ત			٦	7	4	4	4	5	4	4	2	ィ			4	h	な	~	4	~	1
\$		•	مَّ	7	e	9			7	2	7	7	4	٦	4	7	1,2	-			7	4	4	7	2	7	~
			Fam	5.7	55	22	5.7	4	57	5-7	57	57	57	57	57	15.5	375	15,5	65	2-5	57	5-7	275	12.5	57	5.5	275
SE			E	==																							
Ö			DA Vdm Ldm																								
RADIO NOISE		. 246	70																								
) O			no.																								
R _Z			Fam	99		89	67	79	67	20	89	70	89	67	69	70	89	67	69	67	69	69	69	20	69	27	00
OF			De Vam Lam Fam																								
		3	Vdm																								
Ä		. 113	70																								
AL			J Du	-																							
>			Fam	85	87	98	18		87	89	6.8	85	18	85	18	83	85	8	19	83	85	84	85	85	85	84	10
H.			Vdm Ldm																								
오		23									1	2/		~									-(-(
Ŧ		. 051	-	_	7	7	3	7	4	7 7	2 3	7	3	4	٧,	~	76	~	4 4	~	7 7	4	7	0	2 2	4	7
MONTH-HOUR VALUES			Fam Du	11911	7 8	116	117 3	116 2	116 2	911	9//	116 2	6 3	116 2	116 2	116 2	116 2	116 2	7 911	6 2			17 2	0 911	0 911	3//	
MOM	(TS	7) 4	uoH r₂	00	8// 10	05 //	03 //	04 //	05 //	// 90	07 //	08 //	9// 60	10	1 1	12 //	13 //	14 //	12 //	9// 91	17 116	911	11/ 61	20 //		22 //	23 ///
	113	", "		0	0	U	0	0	0	0	0	0	0		-	-							لصا	N	2	0	(4)

 $F_{\rm dm}$ = median value of effective antenna noise in db above ktb $D_{\rm U}$ = ratio of upper decile to median in db $D_{\rm A}$ = ratio of median to lower decile in db $V_{\rm dm}$ ² median deviation of average voltage in db below mean power $L_{\rm dm}$ ² median deviation of average logarithm in db below mean power

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Ω

ation, Ant. Lat. 80.0 S Long. 120.0 W Month May 1961	(Mc)	2.5 5 10 20	Du Dz Vdm Ldm Fam Du Dz Vdm Ldm Fam Du Dz Vdm Ldm Fam Du	33 6 12 22 4 4 118 11	7 3 29 11 11 22 3 6 18 2 2	6 4 29 12 22 6 4 18 21	8 3 29 8 11 23 6 8 18 12	4 6 26 15 9 19 8 8 18 0 2	5 5 39 9 11 21 3 6 118 1 2	7 8 22 4 11 18 1 2	4 6 27 8 10 23 3 13 18 12 2	7 2 2 2 6 12 23 3 5 18 2 2	6 4 29 8 10 23 4 11 18 20	4 3 31 4 14 22 4 6 18 3 0	2 4 28 6 7 24 6 5 18 2 0	2 3 3 4 6 33 3	3 4 31 4 6 24 4 2 18 2 0	24 3145	22 2 3458 2422 2 1820	3 2 3 6 3 24 2 2	4 4 1 34 7 8 24 4 5 18 2 2	6 4 33 9 8 24 4 6 18 21	4 2 35 8 8 . 44 5- 18 2 0	2 4 6 18 2 3	2 8 31/39 2348 1821	7 3 35-7 10 22 6 2 18 2 1	54 3368 2273 1821	
OF RADIO NOISE Station Byrd Station, Ant.	Frequency	, 246 , 545	Dr Vam Lam Fam Du	7 7	107 156 3 2	65 6 4 38	55 \$ 5.4	455 30	67 54 6 2 28	15 4 4 d	63 54 6 2	16 55 5 3 36	65 54 28	57 5-3	58 4 6 30	56 4 4	c 4 2 2 4	67 59 3 4 28	32.5	5-8 2-8	85 4 6 38	58 4 4 38	67 58 3 4 28	65 y 4 4 28	65 5 2 30	69 5034	67 5664	dh ahava kth
MONTH-HOUR VALUES O	(TS	. 051	D& Vdm Ldm Fam Du	00 114 2 4 185	01 114 2 4 86	02 114 2 2 85	03 174	04 1/12	05 110 2 2 87	06/1/0 7 2 87	07/10 6 2 87	08 111	60 100	10 1/2	11 71	12/12 2 4 83	13 1/0 4 4 83	14/109 4 22 85-	15 709 83	16 110 6 4 87	17 1/12	18 1/2	19 7/3	20 114 3 6 855	21 110 10 2	22/14 6 4 86	23 114 4 2 87	F = median value of affective antenna noise in do above kth

 $F_{\rm gm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\mathcal R}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

USCORRENBS-EL

1			Vdm Ldm		3.5		2.5	3.0		5.5	500	2	40	40	15.0	45	5.0	6.0	0.9	2:5	09	4.5	5.0	2.5	12.5	3.0	4.0
19 61			*mp∧		2.0		2.0	2.5		12:5	2.5	2.5	12.5	12.	3.0	2.5	w v	3	\2.\ \2.\	12.5	4.0	2.5	3.0	2.5	2.5	2.5	3.0
_		20	De	0	-	~	7	-	4	~	8	7	3	0	2	~	~	7	8	4	~	ィ	~	ત્રે	0	0	0
rch			n Du	~	76	0	0	_	0		~	2	76	7	5	9	7	-9	9	12	7	1~	0	00	5	76	7
March			Fam	3	2	24	4	7	hr	44	70	24	hr-	~	24	770	2	20	26	38	27	26	74	74	77	22	77
ا			mp-1	* 's'	+ c	0.0	7.0	4.0	6.0	6.0	*12	100	* 12:2	* 15	x-0	13.0	4.0	*1,5	*0.	*~o ,v	0 7.0	6.0	7.5	1,0	6.0	7.0	10,2
Month			Mp/	7,0%	*10	47.	*15	*15.5	* ~?	12.5	*2.	12.5	¥3	*3	*~	£0.	* 2.5	45.0	*20	4.0	7.	4,0	4.5	*2.	*3°	4,5	₹v?
		10	DE	12	3	4	\%	_	2	n	, m	4	7	2	00	8	7	00	~	7	7	~	76	~	ત	3	7
4 E			n Du	7	7	4	10	2	9	w	12	6	m	00	0/	0/	9	3 4	5	4	2	3	78	2	7	8	, v
130.		-	Fam	- 45	45	44	43	143	7	040	36	2	32	200	29	20	32	7	137	17	44	345	147	147	145	- 45	245
			Vdm Ldm	0 9.5	0.6	\$ - 8.0	*0.8	2.8	¥90	0.6	0 7.0	* 0	5 6.5	\$.5	*0;	\$ 0	5.0	1,0	*6	\$ 6.0	¥ 10.0	0.//	15.0/5	5 9.5	\$ 00.5	19.5	0.010.9
Long.				4.9	15.2	4.5	4.5	4.5	*3.	2.5	47	4.0	*\\	*~	*-9	* 4	**		* 15.5	\$.0	* 7.2 72	6.5	*12	2.5	* 6.0	*?.	
30.65		5	J'O I	7	જ	8		~	~	7	9	-	7	0	10/	/3	14	10	2	/2	00	00	3	12	,	7	7
30,			n On	4	2	1 6	15	1 6	12	~	11 9	8 15	0/ 8	2	00	0	10	-	00	60	5 t	2	0	7	12	h 85	9
Lat.			Fam	4-5 G	3.5	75	5-4	420	0 56	13	36	28	28	200	38	30	200	200	32	0/10	44	52	5-8	090	5-8		95
L			m Ldm	13.0	* 0 50	01/10	10.0	0.8/ 0	0 12.0	* 10.5	13.5	* 00	\$ 6.5,	* 50	4.0	040	\$ 0	1°5,	5 19.0	× % , ×,	5-11.0	14.0	*00	0 /3.0	0.4.0	5 75	# 0
lia		1	mp/	3 7.0	6.0	1 4.5	\$ 5.0	6 6.0	2.	* is	*0.	*15	*~0	*2	*~	tw.	*3.	* ~ &	13.5	x, 4.5	1,5.2	8.0	2,0	4.0	*0.	*00	20
Australia		2,5	70 '	1/3		9	-9		-2	00	-	3	0	0	2	7 7	12 4	2	8	.2	9	13	2 8	0	01 8	2 6	01 8
	(Mc)		m Du	0 7	00	0 7	6 8	9	2	9	7 14	2 /3	01 8	01 81		72 /	77	7/ 77	36 8	01 8	7 19	2		63 /1		0 12	62 8
Cook,	ج		m Fam	~	9	-9	3-8	0 59	12	24	34	22	8/		8/					5, 28	0 37	45 0	19		10.0 64	070	18.0 6
F	Frequency		m L-dm	8.5/50	0.0/	0.81 5.6	7.0 15.0	0.4.0	5.61 0	0.12	\$ 0	* 0.5	3.0 4.0	*0.50	7. 2.20	*15.	× 2.5	* 50	0 // 0	2.5	6.0 12.0	5 11.0	* × ×	0.41		0.91 0	11.0 18
Station	req		De Vem	100	9	9		4 6	9.8	*0.	*7	**		*~;	*~	*W	*1	**	in	9 3.5	===	5.5	9 4 6.0	1 7.0	6 5:5	10 80	=
Sto	ш	545		00			7	0	5	7	8	~	2	0//	00	12	00	7	0	6 60	3 /8	00	2		2	1 8	5/10
			Fam Du		69	8 98	8 48	855 1	76 1	43	40 28	11 28	42 22	11 54	4 15	1 2	4 12	3 22	55 18	54 x	65 13	100	0	92 2	92 8	9/6	2 16
لِيا						16.0 8	14.5 8			¥ 0.6¢	4 2 pt	* 0.5%	7.0/2	17.0 4	2 0.61	16.0 5		9		16.0	=	13.5 8	6.51	6 0:51		16.0 9	18.0 9
NOISE			MP Ndm Ldm	0.8/ 5.0/	10.0/	10.01	8.0 14	8.0 16.0	9.5/16.5	* 0.61	* * * * * * * * * * * * * * * * * * *	* 7	* 15.5/	* 0://	4 0 701	4 × 4/0.0/	7.5 14.5	8.0 14.0	8.0 14.0	* 0.8	8.0 17	8.0 13	7.5 16	8.0 15	10.5 17.5	9.0 16	9.5 18
			70		0/0	7 10	7	5 8	0.	*=	16 14	15 **	* ×1	47	+ 14	7 /0	16 *	12 8.	3	13 *	12 8.	1 8	2	7 8	0/	6 9	6
9		160	D n C	6 4	7	00		2	2	9/	141	161	15/	17	1 11	. 0/	1 4	16 /	14/	161	==	101	9	00	7 /		2
ZZ			Fam D	108	108 "		104	701	66	1 98	141	76 1	76 1	73 /	77 1	1 66	48	68	196	1 96	96 17	1 101	501	801		106 10	80.
li.				H		10.0 16.0 106	16.5	14.5	16.0											15.0			/ 0.0	13.0 /	90 160 109		801 0.01 0.01 0
ō			De Vam Lam	10.0/	11.0 18.0	0.0	9.5 16	9.0 14	90 //	9.0 15.5	12.5 19.5	13.0 200	6 140 20	6 14.5 24.0	0.46 2.51	15.0 24.0	13.0 DUS	9.5 16.0	8.0 14.5	8.5- 15	7.5 14.0	9.0 16.0	9.0 16.0	7.5 1	9/ 0	10.0/6.5	0.0
ES		_	D 10	0/ 9	// 8	9	5 9	=	9	0	2	6	9 14	6 14	2	2/	6	9	* 00	8 8	00	11	8	6 2	2	1 4	9
2		.051	Du	1-2	12	9	1,2		9	9	8	0/	01	76	0	00	12	7		8	7	7	9	6	5	9	
₹ 					/3/		130		801	123		_	111	110	115	116	121	727	126	126	126	128	130		37		9.0 150 130 6
~		-	D& Vdm Ldm Fam	9.0 14.0 130	14.0	90 14.5 130	14.0	95 15.5 128	16.0	0.0	10.5 160 118	10.5 17.0 114	1/5:		1.0			_		15.5	3.5	13.5	1/5/	14.0 130	9.0 Julio 132	15:0 130	5.0
7			dm Lo	110:	9.0 14	41 0	8.5 14	5 15	9.5 11	10.0 15.0	0.5/	1.5.	11.0 17.5	12.5/9.5	140 410	14.5 23.0	14,0 21.5	11.5 19.0	100 17.0	10.01	4 7.5 13.5	8.0 13	8.5 145	8.5	0.	9.5 13	1.0.
Ŧ		3	> 7°C	5	200	3	8 4	6.	12	_	3 /4	7/	11 9	2	*=	2 14	11/2	* 12	1 9	5 10	47	8	200	4	3 9	4	2
Ë		. 013	D _u	7	~	7	7	3	7	3	~	7	4	7	7 9	7	12	2	7	7	7	7	12	7	7	7	7
MONTH-HOUR VALUES OF RAD			Fam	128/	15-8		15-8		158	157	1	153	154	155	152	152	153	154	5.8	159	15%	15-8	15-7	8-51	8_51	15-8	151
7	(T2.	7\ 4	ńон	00	0	02 15-8	03 //5	04 158	05	90	07	08	7 60	10		12 /	13	14/	15 /3	7 91	17	18	19	20 /.	21 /2	22 //	23

 r_{0m} = median value or effective different noise in ab above ktb D_{u} = ratio of upper decile to median in db D_{k} = ratio of median to lower decile in db V_{dm} ² median deviation of average voltage in db below mean power L_{dm} ² median deviation of average logarithm in db below mean power

			Vdm Ldm	5:0	2.5		5.0			5.0	5.0	2.0	5.0	4.5	3.	7.5	15.0	0.0	0.7	6.0	6.5	5.0	30		5.5	3:5	2.0	
ŀ				2.5	بې ر		2.5			30	5.0	4.0	2.5	7.5	12.5	2.0	2.4	5.0	4.0	4.0	4.0	2.5	12.		3.0	2.5	٦.	
		0	70	7	0	0	~	~	~	~	~	~	7	· ~	ペ	4	2	~	~	~	4	7	1	_	0	0	0	
		20	Da	0	~	n	0	0	0	_	~	7	4	2	9	9	7	0/	0/	٠,	4	7	4	3	^	\sim	7	
			Fam	7	~~	77	pr	hr	hr	hr	25	24	25	7	マ	7	44	22	24	26	76	24	44	7	77	77	77	
			Ldm Ldm	10.0/	* 0°	40.	7.0	0.9	6.0	5,5	7.5	75	10.5	7.0	*0°	40.7	2.0	*0.	11.0	9.5	8.0	7.5	6.0	*v.	6.0	7.0	e*	
			Vdm Ldm	* 7 .v.	*13	47.	4.0	4.0	3.5	12	15.7	*3.	6.9	4.0	4,5,	×2.0	40%	450	*V.	5.5	4.5	4.5	75.5	*2	3.0	* 3;	4.0	
		0	DE	8	~	4	ή	9	~	12	8	~	9	9	16	16	1)	00	2	4	5	4	12	8	4	ત	9	
			D	7	7	7	h	h	5	7	0	h/	15	77	7/	4	14	9	7	00	- 6	4	3	7	9	-	0	
			Fa	3	5	43	43	14	39	40	37	33	3	29	3	3	35	39	40	14	45	Sh	45	3	43	43	145	
			Vdm Ldm	10.5	0.0/	9,5	9.0	95	8.0	2.0	8.0	* CS.		* 50	7.0	*00	*s'	*2.	4/10	10.0	10.0	11.5	0.0/	9.0	10.5	8.5	*9. S.	
				5.0	5.5	6.0	5.0	5.0	4.0	5.0	5.0	* c.		*~;	* 7. 'S.	4,0	15.5	*12	*,5:5	* 2.5	6.0	7.0	6.0	9:5	۴بې کنې	*5	1/2	
		2	70	9	-9	7	و۔	2	2	2	2	্	00	7	6	15	13	7	13	01	13	11	٦,	12	2	4	00	
			D	0/	و۔	3	0	7	9	و	15/	F	3	76	18	hl	6	=	=	18	5	7	00	7	0	0	م	
			Fam	54	25	45	54	57	24	1/2	40	25	30	96	26	30	34	38	0 /2	40	49	-5-5	3-5	356	25	5.5	576	
			L-dm	10.0	9.5	10.5	10.5	12.0	0.//	10.0	*//.5/	10.0/4.0	10.		450	4.5	* · 9		4 10.01	12.0	11.5	400	0.//	10.5	*65	5.0 8.5	7/0,5	
			Ndm	5.0	5.0	6.0	5.5	7.0	6.0	75.73	1/5	70.0	+ rs		3.0	\$30	F.W.		* 2.	*0	6.5	\$13	5.5	5.0	*12	_	75.5	
		52	7 _Q	10	0/	6	18	77	1	5	10	0/	9	/	9	7	1		7	10	17	/3	91	14	41	14	12	
(MA)	2	,	Du r	10	0/ -	15	17	14	3	9/	9/	28	30	34	20	91	23		34	27	18	16	0/	10	010	7	0/	
			Fam	79	79	9	09	09	9	12	3	30	24	6/	7	77	25	* 20°	8	32	18	56	99	99	990	99	19	
0	College		Ldm	+ 17.0	17.5	- 17.0	15.0	16.0	16.0	0./2	2.41	17.0	0.61	0.40	13.5	8.0	8.0	-17.5	18.5	12.0	13.0	14.0	150	0 13.0	0.51	17.0	18.0	
100	בר ט	-	V _{dm}		*0.	* 10.5	8.0	to.	*°.	* 5.8	*/?	+%	70.	15:0	10.0	+13	*73	*//s//	*0,0	* °°	ti.	20	7.0	8	40.6	4.	400	
L		545	7 ₀	10	2	2/2	1 10	9	12	0	1	9	15/	3 //	7/2	14	6	11		- /3	00	4	1/	· 7/	14	11	13	
		٠	m Du	11	6/2	12	41 9	11 6	010	8 29	17	44	1 4	2 43	5 32	728	242	128		35	200	1/2	2/3	7/2	11	11	3 10	
ı	F	-	n Fam			90	8	89	88	5-5	86	8/ 5	5 54	520	0 55	- 57	8-8	19 1	* C	63	0 76	160	0 92	5 94	pp 0	5 95	0 93	
		ŀ	DZ Vdm Ldm	0.81 0	5 16.5	0.81	17.0	- 190	15.5	20.05	0.61	23.5	* 0	25.0	47.0	18.5	21.0	17.5	19.0	0.810	5 16.0	5 17.0	0.9/	17.5	0/1/0	17.5	0.8/0	
		ŀ	Vdr	9	* 10.5	11.0	11.0	*//.5	9.5	*	*3	4 /5:0	15:0	17.0	70.0	11.0	13.0	13.0	10.5	<i>+1</i> ′	* Q;	9.5	8.0	*//.0	0.01	10.0	10.0	
ı		160		3 5	2	9	12	2 3	00	7	~	3	24	101	2/8	3 2/	کیر "	14	61 1	300	0 25	18	2/17	14 10	00	11/7/	3 7	
ı		Ì	Fam Du	0 13	_	11011	1/0//	21 801	106 13	95/21	86 31	86 34	90 32	2 34	88 28	90 23	81 65	81 401	701	100 20	104 20	9/8	2/2/1	11 211	11 11	1/2/	0 13	K+h
	H	+		5 110	0/10										0		5/9	0/0	2///5	0/15	0/0	80/ 5	1/2:5/		0 //	1/	19.5 110	ahove
		ŀ	Dg Vdm Ldm	10.0 15.5	1.5 17.0	10.0 15.0	13.0 18.5	> 16.0	5 16.0	19.0 20.0	0.91	0.8/ 5	17 4.5 19.0	2,45	0.96 2.5/	15:0 x3.0	13.5 xx.5	140 X1.0	14.0 20.5	11.0 175	18.0	16 10.0 17.5	9.5 15	18.5	0 170	6.5	\$ 0	5
		_) / Vd	4 10	_			11.5	* 10.5	# 3º.	6 9.5		* 7	17.0	* 51	*%	10 13	* 3	7 14	* :	18 11.5	6 10.	10 9	8 11.5	8 10.0	01/10	000/ 9	noice
		. 051	Du	10 4	9 3	6	7 4	6 4	7 6		14 6	4 13	1 2	7 14		3 16	13 /1		11	7 /3	08		/ て/	101	9			2000
			Fam D	131 /			/33	133 (/32	01 68	1 101	7 /	6	115/22	2,	121 13	1 /24/	27	0/ 50	5-1	1/52	129 16	/3/ /.	/33 /		133/0	133 10	and on
	F	-	_	0 13	13.0 131	15:51	15:0 13	1/2		11.0 17.0 127	18:0 1	pt 111 2.91 311	12.5 19.0 1.9 25	1/ 0	13.5 21.0 115 21	/ a	==	13.5 24.0 727	19.0 129	15:0 125 17	90 140 125 18	0.	15:0 13	15:0 13	10.0 16.0 133	0 /	0 13	factiv
		ŀ	DA Vdm Ldm	9.0 14.0	* 0 %	* 01/	11.0 15	10.0 15.5	10.0 16.5	+1	* 0.0 * 0.0	16.	*0,	0.00 2.5/	*/g	a:16 0:61	2.00 0.41	75	\$1.5 19	*9.0 IS	6/0	9.5 14.0	* 5.6	9.5 15	* 0	4 +	5- 16.0	of p
ı			76	4 9.		4 1/		3 /0	4 10	Z ₩	w ====================================	_	4 7	3 /3	_				7 11.	9 *9	4	4 9.	¥.6	3 9.	7 7	* 7	1 10.5	value
		013	D _u C	7	4 3	4	4 4	9	, 9	_	"	_		7 3	× 11	7	9 5	8 2	00	2 9	10/	00	9 9	7	9 7	7 9	4 3	adjon
			Fam D	15-9 3		159 5	159	159 (65/	1	153	\$ 55/	1551	154	153 /	, -55/	157 0	15.5	15-9	161 3	157 /	157 8	15-6 1	160	15-6	159	159 (F a median value of effective antenna noise in db above bith
U	LS7	ال (лоН Го	00	<u>ئ</u>	20	03 /5	04 /3	05 /3	125/ 90	07 /3	80	5/ 60	2/ 01	1 /3	12 13	13 /3	14 /3	15 /5	16	17 /3	18	8) 61	20 16	21 13	22 1/3	23 /	u.
											L													10	60	10	-64	

19 61

Lat. 30.68 Long. 130.4 E Month April

Station Cook, Australia

MONTH-HOUR VALUES OF RADIO NOISE

 $F_{\rm dm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\mathcal K}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

Month May 1961 20 20 21 20 22 20 20 21 20 20	75 41 2 4 23 0 0
May May A	41 2 4 20
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30.6	7
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Australia (MC) (MC) 4	2
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Frequency Frequency Frequency Frequency 1 4 6.0 / Vam Lam Far 1 4 6.0 / Vam Lam 1 5 6.0 / Vam Lam 1 5 6.0 / Vam 1 6 5 7 / Vam 1 6 5 7 / Vam 1 7 7 7 / Vam 1 7 7 7 / Vam 1 7 7 7 / Vam 1 7 7 7 / Vam 1 7 7 7 / Vam 1 7 7 7 / Vam 1 7 7 7 7 / Vam 1 7 7 7 7 / Vam 1 7 7 7 7 / Vam 1 7 7 7 7 7 / Vam 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	10.5 154
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ES OF RAM Lam Fam 92 100 100 100 100 100 100 100 100 100 10	7.5 /2.5 103
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P	1/3/
-HOUR V4m L4m Fam 2 20 1/0 1/31 2 20 1/0 1/31 2 20 1/0 1/31 4 95 1/0 1/32 4 95 1/0 1/32 4 95 1/0 1/32 4 95 1/0 1/32 4 95 1/0 1/32 5 90 1/0 1/32 5 90 1/0 1/32 5 90 1/0 1/32 5 90 1/0 1/32 5 90 1/0 1/32 5 90 1/0 1/32 5 90 1/0 1/0 1/32 5 90 1/0 1/0 1/32 5 90 1/0 1/0 1/32 5 90 1/0 1/0 1/32 5 90 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/	2 6.5 /0.0
-HOUR La 2 2 2 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	6.5/
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F 99424200000000000000000000000000000000	Z Jeed :
MONTH-HOUR VALUES OF RA HOUTH Fam Du D2 Vam Lam Fam Du D2 Vam Lam Fam Fam Du D2 Vam Lam Pam D2 Vam D2	23 1/57
(LST) NHOW (LST)	23

 $F_{\rm cm}$ = median value of effective anienta noise in do above ktb $L_{\rm u}$ = ratio of upper decile to median in db $D_{\rm g}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

0 2.5 2.5 0.3.5 3.5 5.5 0 4.0 .0 3.5 5 4.5 0.00 0 2.5 12.5 0 4.0 0.40 0 2.5 0 2.5 0 2.5

17.3E
Long
59.5N
Lat.
Enkoping, Sweden
Station

MONTH-HOUR VALUES OF RADIO NOISE

19 61

Month March

			ν/	1.1	1.0	1.4	1.0	1.6	7.	1.0	Š	* /	*	7	ř	Š	4 %	w	* &	Š	خ	3.	7	~	<u>~;</u>	3		
		20	7 _Q	イ	0	0	0	0	0	0	0	`	0	_	~	~	7	7	イ	4	4	~	4	0	4	1	1	
ı			na	0	0	0	^	0	0	0	3	12	12	3	d	٦	٦	7	~	જ	~	ħ	~	7	0	0	0	
ł	l		Fam	61	19	19	61	19	61	61	19	19	61	20	à	10	r	r	7	7	7	19	61	17	61	61	19	
	ĺ		mp-J	4.5	4.5	5.0	0.5	1/5/	4.5.	* 8.5-	\$00		*		* × 0	130	6.0				1/5/		45		· 0	4.0	5.0	
			Vdm	مر _ح	2.5	2.5	3.5	*00	* 4 is	5:0	\$ 5.5		* 0°		*0.5,	100	4.0				6.5.		*0.		*2	* &	3.0	
		10	DE	4	2	7	7	- 0	9	7	w	4	π		00	00	0/	~	4	9					0	2	7	
ı		1	Du	00	29	2	9	3	∞	10	9/	00			7	7	7	1/2	7	4					2	4	12	
			Fam	35	35	35	35	39	39	43	1/2	1/2	39	2	40	39	43	451	47	47	45	44	44	43	14	39	38	
	ŀ		Ldm	7.5	2.0	7.0	8.0	7.0	7.0	7.5	*/0.5	4.0	12.0	10.01	3.0	7.0	75.	5	1.5/	6.0	4.0	===	7.5	7.0	12	*%	0.9	
	ļ		Vdm L	4.5 7	3.5	4.5	5.0 2	5.0	4.5	4.5.4	0	* 40.	* 0.0	7.0 4	1/2	\$ 0.5	12	\$0.0 \$0.0	8.5	40.6	7.5.4	* 4.0 ×	*10:5	0	3.06	* 0:9	4.0 6	
ŀ		5	N Za	4	7	4 4	-9	7	و	* 7	400	47	2	*,/	13	* 50	7	6	4 7	K 2,	4	* ~	7	4 4	4	*	7	
ı			Du.	4	12	00	15		7	- ~	7	7	9	7	4	9	7	00	4	7	9	9	7	イ	3	4	4	
ı			Fam	7,	50	50	-05	28	50	18	3	38	34	32	30	30	30	32	36	14	74	3	24	15	54	24	13	
			Ldm	2.0	2.0	8.0	10.5	0	40	7.5	6.0	0	0	**	7.5	* 9.5-	5.0	1,75.5	,0	\$.0 ,	*0°	7.0	6.0	7.5	10	*0%	40.6	
ı	Ì		Ndm L	7.55	4.0 %	8.0.5	7.5 /	*0°	* 0.0	* 2.5	40%	* 4%	£ 0	10	0	75 9	3.0 5	3.5.	¥.0 6.4	2	o.	4.0.7	40 4	*.0.5	15/2	6.0	450.	
ı		2.5	N Za	7,	2	2	7	7	7	*2	* 9	*.2	* 5	* × ×	* 9 5	*1/	5	ري ع	40	7.	5 4	3 * 2	2	*3	6 4	e**	12	
ľ	ည		Du	2	7	5	4	7	7	7	9	7	9	4	9	9	~	7	4	4	6	7	~	9	9	7	e	
	(MC)		Fam	5.5	53	15	1,5	1.5	50	41	\$	37	29	29	30	3/	3/	3)	33	37	40	84	15	15	53	53	5	
	S		Ldm	4.0	0	6.0	4.5	6.0	0	3.0	* 4.5	6.0	0	0	4.0	4.5	۵	3.5	* 3.5.	0	3.5	3.5	0	0	2.5	3.0	3.0	
ı	Frequency		V _{dm} L	* 3.0 4	20.	0	7	3.0 6	*3.	0	0	0	12	*-9	* O.	7	* 7.	0	* 0.50	43	2.0 3	. 0	<i>w</i>	2.0 4	0	15.1	1.5/	
ı,	re	495	∧ Za	*	~ ~	6 3.	₩.	12 W	*3	*.	708	12	48	7	4.8	ナナ	~8. \$~4	7	7.8	4	70	* %	10.	8	8 1.	101	8	
		٠	no	13	51	20	11	7	~	00	6	9	12	9	8	00	2	9	4	/3	15	12	7	7	14	191	18	
ı			Fam 1	108	76 1	74 2	36	44	(1)	39	54	53.	5.4	7.4	d d	5.7	グ	24	5-6	62	00	1 //	80	78	78	08	181	
	ŀ		Im.	10	72	7.5	0.0/	12.5	12	5.0	5.	0	9)	,	*)	,	8.5	0	5	85-	9 0	9.57	8.0 8	0	0	0	10.5	
			DZ Vdm Ldm	0 13	2.0 6.	0	5.0 /1	0	0.4	0	40 8	2.		3.0 7.		5.0 10.0	۵	5.0 8.	5:0 8.	3.5	0.0	0	4.5 8	.0 9.	.6 11.	0 8	6.0 N	
ı		160	\ \7 d	00	2	4 4	9	18 7	400	€ 12	7	6	6	<i>∞</i>	7	0	74	3		6	4 4	7 8	7 4	4 4.	4 6	4	7 6	
ł		٠	Du	9	7 9	9	7	1	10	6	h	9	3	<i>></i> ∞	1 01	~	5	9	8	7	7	4	١	7	6	7	00	ı,
			Æ	00,	401	70	ho	40	1 86	2	08	3	્ત	80	180	00	2	00		90 1	87	90 4	14	96	9	96	86	4.1
	ŀ		E E	13.0	13.5	13.0 1	13.0	13.0	0.9/	/3.5	15.0	6 06/	1.5.1		12.5	15/	001	11.5	12.0	10.5	4.51	11.5	6 0.11	12.0	11.0 9	=	11.5	d p
ı			D& Vdm Ldm	8.0 1	8.0	9.5	8.0	7.0 /	9.5 14	8.5	10,501	* 0.41	* 0.8	12.0 17.0	¥.00	10.0 145	7.0 //	* 0.0	9.0 12	7.5 10	* 0.0/	7.5- 11	1/ 0.9	7.0 13	7.0 11	6.0/0.5	7.0 //	in the chi
		051) N Z Q	30	2	4	8 7	4	4	2 4	3 /6	6 * 4	<i>∞</i>	%	100	12 10	6 7	% *20	5	7 7	* 0	4 7.	3 6	3 7	4	9	3	a plan
		•	Du	7	2	4	7		0	7	12	200	80	00	0/	1 1	00	9	8	5	3	9	4	7	7	~	~	-
			Fam D			114	_		011		86	44	46		93 1	86	46	75		100	104		011	117	114			5
	ŀ		E	1/0	1,0,1	$\overline{}$	1/	15.		17.5 104				0	150 9	14.0	/3.0 9	2	10.0 96	10.5	11.0 11	10.0/		1.5.11		1,8	10.	66000
			DA Vdm Ldm	8.0 14.0 114	8.5 14.0 114	9.0 15.0	11 2.01 Nos	10.0 16.5	5:51 0:01	11.0 17	11.0 16.5	10.5	0.91 5.01	9.5 15.0 94	9.0 15	9.0 14	8.5 13	6.5 11.5	7.0 10	6.0 10	6.5 11.	6.0 15	0.11 0.9	7.0 11	7.0 12.0	7.0 12.5 114	7.5 13.0 114	90
		013	7 70	5	4 8.					3	1									3 6.	3 6	2 6	9 1	7	4 7.	4	3 7.	order
		•	ם חם	2	=	7 7			7	4	2	7 7	7	ィ	7 7	7	7	2 4	٦	,	,		7 7	4	7	8	7	searcher culturally be defended and bear a
			Fam D	152	152	152			150	e a51		5 /1/1	144	144	5 hh/	146	146	146 2	941	146	146	146 2	8 41	841	150	150		
-	15	د (٦		00	01	02	03/50	04	05 /5	90	70	98 /4	60	10/	1/4/	12 14	13 /4	14 /4	15 /4	16 14	17 /4	18 14	19	20 //	21 /	22 /4	23 /52	u
E		-		U				1	0	0	0	10	0	_	_					ألطا		إنت		CO	CA	(1)	(7	

 F_{Gm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper declie to median in db $D_{\mathcal{R}}$ = ratio of median to lower declie in db

 V_{dm}^- median deviation of average voltage in db below mean power L_{dm}^- median deviation of average logarithm in db below mean power

5,00 0 4.5

			mp.	75.5	1.5.	15.	2.5	4.0	3.5	3.0	3.0	* ~	400	4.0	* %	5.0	v /:	15.	4.0	* 13	5.0	4.5	4.0	3.0	4.0	3.0	2.
61			Vdm Ldm	1.00	1.0%	1.0	0'/	2.5 4	2.0 3	1.5	3.0 %	1,0 1	1,5,	30 4	* 0 . 4	* 0.%	* 0.8	* CO.	3.0	*	3.0 5	304	2.0	1.5	2.0 0	1.0%	1.0
0			70			~	~	8	~	~	* ~	-	0	7	~	M	7	~	~	7	4	7	7	78	7	7	~
_1		20	Du	~	~	0	1	7	7	4	76	3	8	~	~	1	4	7	~	~	~	7	γ	~	8	8	7
April			Fam	18	8	20	61	18	81	00	18	81	81	20	30	10	20	20	22	22	77	22	0 7	80	8	81	00
4				5.0	4,009	6.5	10.5	6.0	0	7.0 /			ام	نې '	13.5		15.5		3.0	* 8.5'	* 00 S	0.	400	2.0	\$00	7.0	7.5
Month			Vdm Ldm	3.0	*0,5	4,5 6	* 2.0 X	35	* 0.S	\$50.2			3.5	* 5.7	*158		*5.5		4.0 %	4.0 4	4.5 ×	5.5	5.5	4W.	\$.0	4.0 %	4.57
Š			DE	2	*.1	5	* 1	7	v*	7	0	7	7	*4.	* 5	12	17	~	* 1	* 2	2	75	7	P - P	7	6 4	12
1		10	Du	4	5	_	7	2	7	4	7	7	9	15	w	5	3	7	4	h	~	~	2	7	7	5	2
3 E			Fam	1/1	39	37	14	39	14	39	1/4	39	37	37	38	39	ベケ	Sh	47	49	64	15	64	7	45	43	15
17.				8.5-	*0.	9.5-	9.0	10.0	10.0	8.5	4.5	\$55		8.0	4.5		8.0	8.0 4	8.5	0.//	4,5		10.0/	10.0	11.0	*//5	
Long.			Vdm Ldm	5.5	*0.7	5.0 9	7.0 9	4 2.9	7.0%	6.0 8	* 0. E	* 0.7		\$.0.5	\$ to 2		\$.5.	4.0 %	\$ 0.3	6.01	6.0 9	5.09	# 0:5	5.5/	6.5-	7.0 *	* 0.0
			D, V	5 5	* 1	12 5	* 0 /	9	2	70	2+8	7		15	W.	4	2	15	6 4	9	7 *	7	* 4	20	* 7	7	* 2
59, 5N		5	D _u	3	9	7	7	7	4	9	00	7		7	5	7	15	10	9	7	0/	2	7	7	9	y	~
,			Fam	5-6	53	53	33	15	Ch	14	39	35.	33	30	27	27	32	33	39	43	64	5.5	5-6	55	57	57	25
Lat.			Ldm	10.0/	*	*/3.0	13.5	11.5	0.01	10.5	\$ 5.0	155	7.0	0.0	3.5	6.0	4.5.9	40%	15.0	5.0	6.0	7.5				*	11.0
en			V _{dm} L	4 6.5	* 0.		* 0%	8.0 /	8.0 /	7.5- 1	* 0 ×	3.5	* 2.5 *	4.0 4	3.5	40 %	4.5 6	1,51	5.0 %	* (S)	3.5	4.0 %	5.0 10.0	6.5.	8.0 13.0	6.5	8.0
Sweden		5	D 10	5- 6	7	7	7	7	2	* 7	9	*	* 3	*~	w	7	7	7	ال * «	-0	43	,	<i>y</i>	00	2	7	7
_	(Mc)	2.	Du	7	9	e	8	9	000	4	9	7	2	~	~	4	<i>w</i>	9	00	7	6	00	00	0	9	00	2
ping	3		Fam	25	5.5	53	1.5	49	1/2	35	31	35	27	47	27	29	77	50	3/	41	42	64	5.5	33	5-6	57	5
Enkoping,	Cy		==	2.0	4.5	7.0	\$.0	4.5	* 0 .v.	5.0	* 5.5	4.0	4.0	4,0	3.5-	6.0	0.4	4,0	8.0	4,5	¥.5.4	3.5	4.0	5.5	4.5	5.0	12.
	Frequency		Vdm Ldm	4.0 %	2.0	4.0 %	7.5.5	* 5,5,	40.7.	3.0	40.0	* 5 %	****	*X	1.5	4.0 4	4.0 %	*×	\$5.0	* 0.0	*,0 ×	1,5,	2.0 %	3.0	*&	3.0	4.5
Station	Fre	5	De	4	12		10/	2	7	4	4,3	W 9	w)	4	4	3	7	7	7	7	7	1	9	00	00	00	2
S		495	D	20	08/	24	18	91	14	0/	4	9	5	4	9	5	7	4	7	9	00	10	0/	/3	7	14	00
			F am	75	72	20	99	28	56	54	7	52	15	3	57	d	54	25	56	09	40	72	16	28	28	28	74
SE	.		-dm	15.50	4.0	10.0	135	\$0.0	3.0	3.0	8.5	11.0	*	135	11.0	* 11.0	1.0	14.0	4.01	13.0	10.0	9.0	7.5	6.0	8.0	15.5	13.0
NOISE			D& Vdm Ldm	* 8.0 12.5-	6.5	\$.0.3	* S.0	40 4	3.0	* * *	4.5	4,0,9	7.0	9.5	6.0 "	7.0 ;	7.0 1	8.0 #	50.5	7.5-	5:5	5.5	4.0 %	4.0	150.0	10.0/	3.
		160	70	00	~	10/	9	10	6	6 4	7	10/	7	6	6	4	00	و *	9	-9	7	7	10	00	12	10	2
OIQ		7	Du	7	7	4	9	18	2	00	9	7	2	9	00	∞	7	8	7	13	14	01	00	4	9	0	7
RAD		Ì	Fam	103	hol	105	103	95-		87	89	16	89	87	87	87	16	16		89	89	92	95	99	101	103	103
F.			De Vam Lam Fam	0.07	0.0	8.5 135	13.5	13.5	13.0	14.5	13.5 19.0	16.57	0.81 0.41	16.5	180	18.5	13.5 19.0	19.0	13.5 19.5 89	18.0	13 12 125/80	16.0	13.0	19.5	0.0	8.0 12.0 103	
10			Vdm	2.0	7.0	8.5	8.0	9.0 13.5	15.8	9.5 H.S	13.5	11.5	14.0	10.5/16.5	13.0 18.0	13.0 18.5	13.5	13.5	13.5	15-16 12.5 18.0	19.5	11.0 16.0	8.5 130	8.0 12.5	7.5	8.0	7.0 1/5
ES		051	De	7	7	76	h	7	7	9	6	2	5	7	00	7	10	11	8	16	7	11	6	6	6	2	7
ال		q	Du	9	9	00	9	3	9	/3	9	01	01	8	10	10	6	9	14			12	9	2	7	5	2
>				120	8/1	9/1	116	1/2	401	100	16	96	66	hol	801	112	114	115	114	911	811	8/1	120	122	401	77	120
<u>~</u>			-dm	13.0	14.0 118	14.0	1115/116	16.0	17.57	16.0	160	0.91	16.0		0,5,	13.5 112	000	711 0.4	13.0	1,5-	0.0/	8/1 0:11	11.5	20/00	12,51	13.5	13.0 120
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 $F_{\rm cm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\rm g}$ = ratio of median to lower decile in the $V_{\rm cm}$ = median deviation of average voltage in db below mean power $V_{\rm cm}$ = median deviation of average logarithm in db below mean power

J. 17.3 E
Lat. 59.5 N Long. 17.3 E
Station Enkoping, Sweden
NOISE Station
OF RADIO NO
R VALUES (
MONTH-HOUR

19 61

Month May

 F_{am} = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

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Form = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

Vorm = median deviation of average voltage in db below mean power

Lorm = median deviation of average logarithm in db below mean power

USCOURT VES-PL

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MONTH-HOUR VALUES OF RADIO

19 61

Month April

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 $F_{\rm om}$ = median value of effective antenna noise in db above ktb D_{μ} = rotio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

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 F_{Qm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper declie to median in db $D_{\mathcal{R}}$ = ratio of median to lower declie in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

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		De Vem Lem Fam	55 95 59	5.0	19 0.8 05	6.0 9.0 59	5,5 8,5	6.0 9.0 47	5.0 8.0 47	35	3.5 6.5	25 40 23	25 45	3.0 45	2.0 4.0 19	3.0 5.0	25 45	30 45	30 45	2035	25 40 39	2.040 43	415	44 26 0.9	0.7	7.0 [30 49 4	
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		De Vem Lem Fam	4 110 170 54	100 17.0 52	135 180 56	10.5 78.0 53	54	110 160 54	90 136 54	47	04	3.0 5.0 36	5.0 34	50 32	30 50 32	32	6.0 32	35 5.0 32	30 45 32	2.0 4.0 34	2.5 40 39	125 46	100 HC 48	50	7.5 125 52	7.5 130 52	
ြင့		dm	20	7.0	8.0	8.0	185	03	36	45	0	10	5	0	0:	5	0	0.	3	10	10	25	10	12C 18C	13	20	
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		D. Vam Lam Fam	5		110 170 78	6,	5	11.0 18.5 76	105 180 68 12	9		11.0 170 52			S.O MO 52	5.0 135 52	6	9.0 150 50	105 165 52 10	26 126 50	50 95 60	7.5 12.0 66 17	100 16.0 72	=		1CC 180 78	
		Ldr	10.0 175	10.0175	17	115 180	185	183	18.	9.0	8.0 15.5	171	90 16.0	155	14	13.	90 160	151	19	121	9	12.1	16.1	9.C HIS	9.C K.O	200	
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		ωþ	20	50	8.0	20	35	16	25	75	3.5	3	20	110	25	16	30	36	45	8.0	25	7.6	5.5	0:	20	13	
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		- G	H	14.	16.	91	y_{I}	171	17.	18	18.	17.	17	17	M	19.	18.	26	17	2	18	17	15.	15,	迁	5	ľ
		D& Vdm Ldm Fam Du	8.5 145 126 3 4 105 170 101	80 HO 128 3	10.0 16.0 128 5	9.5 150 128 4 2 110 190 161	11.0 17.0 128 5 3	110 170 128 6 4 111 19C 98	10	2 110 180 115 4	11.5 18.0 110 5	HO 170 107 6 4	115 175 102 12 4	11.0 175 104 10 6 135 210 71	2 110 170 100 10 4 145 25 71	13.0 19.0 106 8 5 145 215 69	12.0 18.5 107 9 7 15.0 230 69	13.0 200 106 7 10 165 230 69	140 215 104 7 7 140 205 171	13.0 2.0 10 6 3	110 185 105 7	105 170 110 10 7 8.0 140 85	85 150 114 6 6 105 165 87	90 152 116 7	85 145 120 6	8.0 15.0 123 4 3	
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			00 151 2	153 2	153 2	03 151 3 1	04 153 2	153 2	06 155 1 4 11.0 17.5 128 4 4	50	H bH	8 pt 60	149 S	148 3	H 641	M7 2	147 Z	H5 H	16 145 6	H5 H	145 3	146 3	147 4	149 4	,_	23 151 2 2	
		To He	15		5	3	15	15	3	153	14	F	14	14	14			14	14	14	T	14	17	14	22 151	5	,
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 F_{qm} = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

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_1			Ldm	2.5	30	2.5	3.0	3.0	30	3.0	3.5	3.5	4.5	4.0	4.0 6.0	3.5	45	4.0	4.0	40	5.0	45	5.0	4.5	3.5	3.5	3.0
9 61			D& Vem Lem	1.5 2.5	1.0	1.0 2.5	1.5	1.5 3.0	1.5	20 3.0	2.0 3.5	2035	25 4.5	25	4.0	1.5	25	2.0	2.0	2.0 4.0	3.0 5.0	3.0 45	2 30 50	25 45	20 3.5	2 2.0 3.5	2.0 3.0
<u>o</u>		20		7	/	_	7	2	7	-	7	0	0	2	7	7	7	W	4	7	7	2	7	2	7	7	7
			Du	7	0	0	0	2	0	0	7	3	7	ω	2	N	7	8	2	7	3	7	7	7	0	0	0
April			Fam	25	25	25 4.0 25	25	2.0 3.5 25 2	25	25	25	2.5 5.0 23	23	21	17	17	21	22	25	14.0 25	4.0 8.0 25 3	45 75 25 2	45 6.5 25 2	6 5.0 8.5 25	3.0 50 25 0	6 6 40 6.0 25 0	2.5 45 25 0
			D& Vam Lam	4 20 3.5 25	3.0 5.0 25	4.0	4.0	3.5	2.0 4.0 25	25 5.0 25	2.0 4.5 25	5.0	20 40 23	120 170 21	125	35 6.5	65 95 21	6.0 TOLO 22	\$0 15.0 25	14.0	8.0	7.5	6.5	8.5	50	6.0	45
Month			Ndm	2.0	3.0	25	2.0	2.0	2.0	25	2.0	2.5	2.0	po	7.5 125	35	65	6.0	9.0	8.0	4.0	4.5	45	5.0	3.0	40	2.5
ž		10	DE	4	2		8	4	9	5	7	5	4		4	3		૭	4	00	4	5		9	3	9	7
١≼			Du	3	4	65 110 41 4 4	8	9			9	4	0	19 4	12	9/	5.0 8.0 15 12 6		19	8	7		5.5 25 39 4 4	4	4	9	h h
9.7			Fam	_		1/1	39	37	37	39	37			17	13	12	15	12	17	27	33	39	39	11	39	111	7
22. 0N Long. 159. 7W			De Vam Lam Fam	5.0 95 41	5.5 13.0 41	11.0	F.U 11.0 39	5.09037	70 11:0 37 4	5.0 8.5 39 5	6.5 11.0 37 6	80 120 33	3.0 5.0 23	60 90 17	6.0 80 13	2.5 5.0 12	8.0	45 15 15 H	5.0 80 17	10 105 27	\$5 ko 33	8,0 115 39 G	5.5	2 55 85 41 4	4.0 7.5 39 4	40 7.0 41	14 0.00 0.9
ono-			Vam	5.0	5.5	6.5	1.0	5.0	7.0	5.0	5.9	8.0	3.0	6.0	6.0	2.5	5.0	45	5.0	10	35	8.0	5.5	55	4.0	4.0	6.0
NO N		5	De	00	5		5	5	7	7	8	5	6	4	4	3	00		5	e	9		5	2	4	4	4
22.			Du	w			_	12		H	do	"	12	8	9	do					14	13	*			8	00
Lat.			Fam		63	53	63	15	49	15	1/1	53	24	23	23	_	23	3	74	25	27	37	43	45	47	49	44
			Ldm	150	30	25	50	0.6	6.0	110	8.5	55	5.0	9.0	45	25	35	2.0	4.5	40	35	45	0.0	0.0	120 47	[3.0]	3
H			De Vam Lam Fam	6 9.0 150 61	75 130 63 7	8.0 125 65 6	105 150 63 8	21 15 0609	8.0 15.0 49 4	8.5 110 SI H	5.5 8.5 41	40 55 29	3.0 5.0 24 12	4.0 6.0 23	25.	3.0 50 21	4 20 35 23 4	30 50 25 10	5 25 45 24	2.5	6 2.035 27	9 25 45 37 13 5	6 7.0 10.0 43	0.7	85	5 75 13.0 49	72
1), 7		2.5	D.	9	9	4	5	00	4	7			7		5	4	7	6	5	9	9	6	૭	00	9	5	9
Station Kekaha (Kauai), T. H.	(Mc)		Du	6				9			305543108	3.0 4.5 35 15 2	40 60 35 8 4	5	10 5 25 45 23	6	12	14	12	8 6 2.5 40 25 11		12	100 16.5 73 18 9 11.0 200 47 12	110 190 177 13 7 8.0 13.0 53 11 8 7.0 10.0 45 13	91	10	8 8 85 150 35 7 6 75 140 49 8
ha (K	٤		D& Vdm Ldm Fam Du	12 4 95 170 57 5	4 8,0 15,5 55 7	10 4 10,0 17,0 53 9	149	6 9.0 150 55 6	54	6.0 8.0 53 9	43	35	35	35	3.0 4.5 33	31		13.0 32	7.0 11.5 33 12	35 70 33	3060356	8.0 125 41 12	47	53	8 9.0 17.0 53 10	6 110 190 81 11 6 90 150 55 10	क्ष
eka	ncy		Ldm	17.0	15.5	17.0	5 10.0 18.5 54	051	8.0 15.0 54	8.0	5,5	4.5	6.0	3055 35	4.5	3.05031	6.0	13.0	11.5	70	6.0	125	200	13.0	17.0	15.0	15.0
ΑĽ	Frequency	5	Vdm V	95	0,8	10.01	10.0	0.6	8.0	0.9	30	3.0	4.0	30	3.0	3.0	3.5	20%	7.0	35	30	5.0	11.0	8.0	9.0	9.0	35
tatic	Fre	.495	70	4	9	4	5	9	6	9		4	7	9	4	5						6	0	7	00	9	00
S			Da	12	01	10	//		13	23	ho	29	30	23	30		25	34	22	8/	32	22	18	13	9	11	do
			Fam	18		18	80	18	78	61	57	53	52	55	51	53	15	21	54	57	55	64	73	77	79	18	83
SE			D& Vdm Ldm Fam	6 90 16.5 81	18 551 0%	85 145 81	11 08 541 56	90 150 81	9.0 HS 78 13	8 8.0 13.0 61 23	4 65 125 57 24 8	13.0	15.0	17.5	8,0 150 51 30 4	8,0 15,0 53 33	8.0 155 51 25 5	THO 51 34 4	71.0 180 54 22 5	35 57 18 8	6.0 11.5 55 32 5	8.0 146 64 20 9	16.5	19.0	120 190 79	190	110 185 83
NOISE			/dm	9.0	0.6	8.5	9.5	90	9.0	8,0	6.51	10/	7.5	0.6	8.0	8,0	8.0	201	11.6	7.5	6.0	8.0	ao	11.0	120	110	110
		.160	DA	9	4	3	4	5	9	æ	4	7	0	4	4	5				8	7	3				9	3
8		•	_				4	7	5	_	=	B	6/	30	22	22	27	28	19		13	27	14	18	10 7	8	
A A			Fam	HO!	103	[G	104	103	707	2	76	2/2	79	76	74	73	20	72	72	74	72	18	2	hЬ	97	701	105
L			mp-	150	0.4	5.5	12.6	5.5	55	04	6.0	55	5.0	31.0	120	335	225	21.0	235	210	18.5	13.5	0%	17.5	235	21.0	15.0
0			Dg Vdm Ldm Fam Du	95/	8.5	0.5 1	10 1	30 1	15/	110 1	11511	35	15	30	12.0	140	130	100	10%	40%	1251	8.0 1	100	0.0	30	35	3 40 150 102 9
ES		. 051	170	9	4	3 /	2	E	9	4	1 5	H	6	9	8	0/	8	9	//	8	8	9	4	2	2	3	3
2				H	N	7	7	1	2	5	9	20	13	20	11	16	15	8	19	13	14	8/	12	19	H	8	9
≸			E	30	38	129	30	38	35	3%	120	8	21	0	11	12	12	01	12	801	15	IÚH	12	16	8//	122	13
œ			E E	30 1	30 /	10%	45	5.5	6.0	0	101	65	0.3	70	70	3.6	35	00	1121	151	no /	120	8.0	10.0	30	40	35
DO			/dm/	1 7.5 130 130 4 6 95 150 104 9	2 7.5 130 130 2 4 8.5 14.0 103	3.5 /	2 8.5 145 130 4 2 90 150 104 4	15/	75/	15/	001	00	35.1	100	127	10.0	36 1	30%	35	356	30 2	25%	101	75/	8.01	103	80/
Ĭ		013	170	1	0	7	S	0	5 /	3 8	/ /	2	2	2 1	1 1	2	2 /	2 1	4 1	1 1	7	2	0	2	7	3	N
İ		•	no			CI		C	2	N	7	7	7	4	S	3	9	4	3	4	4	9	3	4	N	_	7
MONTH-HOUR VALUES OF RADIO			Fam Du DA Vdm Ldm Fam Du	00 152 2	01 163 /	02 152 2 2 8,5 14.0 129 4 3 105 155 104 7	03 152 2	04 152 2 2 95 155 136 4 3 9.0 155 105	05 152 2 1 95 16,0 132 2 6 9.5 155 102 5	06 154 2 3 45 16,0 126 5 4 110 170 90 10	07 150 4 1 100 110 120 6 5 105 16.0 76 18	50	09 1504 2 95160 110 13 9 45 150 79 19 9 75 150 52 30 4	0,00	1 150 2 4 105/120 111 11 8 120 220 74 22 4	12 148 5 2 11.0 (80 112 16 10 140235 73 22	84	14 148 4 2 13.0 20 01 110 18 6 THO \$1:0 72 28 2	15 148 3 4 135 205 112 19 11 140 225 72 19	16 148 4 4 135 215 108 13 8 140 210 74 18	17 146 4 2 130 200 104 14 8 125 185 12 13	18 146 6 2 125 205 104 18 6 8.0 135 78 27	19 146 5 0 110 18.0 112 12 4 100 170 40 14 8	20 148 4 2 95 120 116 19 2 100 175 94 18 8	150 2 2 8.0 130 118 W 2 130 25 97	22 152 1 3 8.0 HO 122 8 3 135 210 102 8	23 152 2 2 80 13.5 125 6 3 90 150 102 9
×	(IS	۱ (۱	noH	00	10	02	03 //	04	05	90	07	80	60	0	=	12 /	13	14	15	91	12	18	19	20	21 /	22 /	23 /
				_																			لـــــ				

 F_{qm} = median value of effective antenna noise in db above ktb D_u = ratio of upper declie to median in db $D_{\mathcal{R}}$ = ratio of median to lower declie in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

USCOMMANDS-BL

			E	30	2	0	36	2	30	3	2.5	0	3	5	0	9	0	15	5	345	0.0	4.0	10	2	9	30	3.6	
61			Vdm Ldm	16 3	72 51	10 30	1.5 5	15 30	5 57	15 25	6 2	1031	05	9408	15.3	20 4.0	20%	2545	30 4.5	25 4	30 5.0	0 4	2.5 4.0	20 4.0	20 40	15 3	15 3	
6			>						1	7	1	1	6.		-	6.4	ħ	ts.				1	Ċ.		CA	~		
		20	70	6.1	CJ	Ü	ü	S	2	0	2	0	6 8	0	0	0	ci	•	S	3	2	7	2	7	7	2	a	
May			Du	0	0	0	0	0	U	7	13	CF	Ö	61	01	7	L1	w	1	4	12	11	0	0	0	0	2	
≥			Fam	3	57	25	25	25	25	25	25	23	5°	12	19	19	12	22	23	23	25	25	25	25	25	25	25	
			-dm	0.0	5.0	30 50 25	25 25 25	35 6.6 25	4.5	30 55	25	1030	20	35	35	1.0 20	71.0			3.0 5.5	5.5	5.0	5.0	35 65	2.0 4.5	5.5	3.0 5.0	
Month			mp/	;: (°)	36	30	150	35	25 45	30	3,6	1.0	42.5	450 24	2.0	1.0	20			3.6	3.0 5.5	35 6.0	30 50	3.5	2.0	30	3.0	
Š			D& Vom Lam	,2,	4	3	2	N	4	4	4	4	7	6	9	3	4	4	ij	2	N	7	7 /	5	7	4	7	
≱,		10	Du	17	11		4	ŝ	0		4	9	_	10	13	80	9	9	4	4	4	4	3		3	2	3	
159.7			Fam	42	12	45 165 40 6	38			6.0 10.0 38 4	n HE	80	22	18/	16	13	14	14 0	==	. HZ				50 85 40 2				
159		=	E	3	70 130 42	5. 4	5 3	65 9.5 38	6.5 10.5 36	0	5 3	55 90 28	5					5	45 80 18		50 85 32	55 80 38	55 80 40	15	50 8.0 40	5.0 40 40	JH 06 5%	
ģ			P T	001 60	0.13	5 1	18.0 15.5	59	5 10.	010	75 35	5. 94	2035	4575	4070	30 55	30.25	54 5/2	5 *8	4575	00*	5	58	000	3.	60	5	
22.0N Long.			De Vam Lam	_		1/1		_	_		_	_	2.0	Z	1/4	₩.	m'	2/1	7		3.0	16		5		F.C.	7	
N O		5	==	13	9	7	9	00	7	9	9	¥	4	4	4	4	3	ė.	4	4	7	4	9	4	E	4	7	
22.			D	3	11	9	63 6	13	7	49 6	//	13	9	9	7	3	67	1	4	00	7	8	Ć	//	8	7	8	
to.			Fam	53	63	63	63	57	49	49	35	25	23	21	21	21	12	21	21	21	24	33	45	45	47	49	49	
			De Vam Lam Fam	25 25	45 70 63	6 6.5 115 63	65 110	80 755 51 13	90 120 49	6.5 710	20 35	3.0 45 25	24.0	30 45 21	3.0 5.0	25 45	4.0 5.5	3.0 45	25 40	25 40	20 40 24	20 35	30 55 45	35 60 45	5.0 7.5 47	125	6.0 9.0 49	
I. H			mp/	2.5	4.5	2.5	53	20%	20	6.5	20	3.0	25	30	3.0	2.5	4.0	3.0	5.5	25	20	20	3.0	35	5.0	85	0.0	
(i)		5	70	7	7	9	4	7	4	4	4	11	H	8	2	2	7	2		4	2	2	8	4	7	ં	7	
ans	(Mc)	2.	Du	(9			8	00	00	e	10	00	4	3	2	3	2	N	2	2	7	4	9	10	10	e	7	
Station Kekaha (Kauai), T. H.	3		Fam	23	53 12	9.5 155 53 6	53		=	==	=	_	33	32	31	3/	31	31		31			13			53		
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9			Vdm	9.0	0%	10.0	5,5	9.0	9.0	8.5	6.0	7.0	7.0	7.0	6.5	6.5	7.0	8.0	6.0	9.0	6.5	5.5	6.0	6.0	7.5	7.5	8.0	
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			Fai	8.0 135 125 8	8.5 14.0 127 6	12	12	12	2 100 175 129 6	12	10.0 16.5 113	2 90 155 103 16	2 10.0 16.0 101 16 4	0	2 120 160 103 18	2 9.5 16.0 105 13	10	2 105 16.0 105 13	0	0	2 11:0 19:5 103 13	10	2 8.5 5.0 111	0 8.0 14.0 117 15	2 8.0 135 119 13	0 7.5 13.0 122	75 130 123 9	active
4			Ldm	135	14.0	145	15.5	1.91	175	16.5	16.5	15.5	16.0	15.5	16.0	16.6	16.0	16.0	16.0	6,3	19.5	16.0	15.0	14.0	135	13.0	136	f of f
후			Vdm	8.0	8.5	0,0	90	10.0	100	001	10.0	90	0.01	95	10.0	9.5	10.01	10.5	9.5	105	11.0	9.5	8.5	8.0	8.0	7.5	7.5	lue o
1		013		3	2	N	N		N		4	N	N	0	2			N	N	2 105/65/101 18 4 80/80/72		4 9.5 16.0 101		0		0	N	DA UE
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MONTH-HOUR VALUES OF RADI	(TS.		Hou Pu	00 153 3	01 184 2	h h51 20	03 152 4	4 75/ 40	05 152 4	06 152 4	05/ 150 4	h 8H 80	2 841 60	10 148 2	11 148 2	12 148 2	13 148 0	14 148 3	15 146 2	16 146 5	17 146 2	18 146 2	19 146 2	20 H/6 H	21 150 2	22 150 4	23/ 82	Fam = median value of effective antenna noise in db above ktb

 $F_{\rm GM}$ = median value of effective antenna noise in db above ktb $D_{\rm U}$ = ratio of upper declie to median in db $D_{\cal R}$ = ratio of median to lower declie in db $V_{\rm GM}$ = median deviation of average voltage in db below mean power $L_{\rm GM}$ = median deviation of average logarithm in db below mean power

LECONGLIBS-EL

Du De Vam Lam Fam De Se De Se		÷	Ŧ	00	œ	\$	J.	ES	0	L	MONTH-HOUR VALUES OF RAD	9	ž	NOISE	1.1	0)	Station	l land	Ohi	Ohira, Ja	Japan (c)	g	7	Lat	35. 6	N 9	Long.	140.	2	ы,	Month	1	March	ch	6	61	
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 $F_{\rm cmm}$ = median value of effective antenna noise in the above ktb b_L = ratio of upper decile to median in db b_L = ratio of median to lower decile in a b V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

			7	3	<u>پې</u>	<i>~</i>	^;	8	w)	m	# 75	* 3		* ~	* 10)	* 3	₩W,	* 7	* 2.	+ 5	* 2	* 12	1	* ~	<i>ω</i>	~	√)	
			Vdm Ld	7.5	1.5	1.0	1.0	1.0	1.0	2.0	*	3.0	+ ~;	1.0	1.0	* ~	*/	*~	* %	*°°°°	¥.5	* 6.5	2.5	\$ × 0	2.0	12:	1.5	
		20	70	1	0	0	/	ત	7	٦	7	3			٦	٧	d	8	0	4	Z	7	٦	4	8	7	0	
		2	Du		4	76	8	d	8	0	3	3			7	4	7	12	h	01	d	ん	જ	4	4	d	4	
			Fam	25	yy	24	2y	24	24	36	26	26	74	424	ho	he	he	26	26	28	200	38	26	24	44	yy	44	
			* E	5.0	1.5	7.5	6.0	7.0	6.0	7.0	9.0	4.0		4.5	45	0.5	0.5	0.8	2.0	6.5	6.5	6.5	4.5	5.5	2.0	وبى	6.5	
			Vdm Ldm	2.5	2.5 4.5	4.0	12.57	4.0	3.0 6.0	4.0	5.0	2.0		3.0	3.0	3.0	3.0	5.0	4.5	4.0	4.5	4.0	3.0	3.0	4.0	2.5	4.0	
			De	7	4	٦	7	4	7	7	4	7			5	9	5	4	12	7	~	~	٦	7	7	7	0	
		10	no	9	4	00	1,5	2	7	7	7	7			01	8	9	9	5	00	1/	~	01	6	00	00	00	
			Fam	84	8/	44	42	40	42	40	34	34	26	10g	38	88	29	32	37	40	42	44	94	46	18	84	84	
	Ì			8.0	8.0	7.5	0.8	8.0	7.0	5.0	9.0	7.5	7.0	7.5	5.0	8.0	9.0	7.5	6.0	2.0	5.5	2.0	10.5		12.5	11.5	0:50	
,			Vam Lam	6.0	5.0	3.5	4.5	4.0	4.0	3.0	0.9	4.5	10.4	0.9	2.5	5.	7.0 9	4.5 9.5	4.5 6	4.5	5.5 8.5	4.5	15.9		7.0 /	5.9	0.5	
			70	4	4	٦,	7	4	9	~	7	7	,		7	7	~	7	4	2	N	9	00	7	7	و	00	
		ະດ	n _Q	00	9	7	9	4	3	11	8	0			7	00	0	7	8	5	0	9	9	7	00	8	8	
			Fam	54	þ5	12	2-2	54	45	36	30	30	22	* %	38	28	26	200	28	32	41	86	0 9	69	20	20	09	
			Ldm	7.0	6.57	7.5	4	8.0	7.5	10.0	10.0	* 6.5.	3.0	*0°	2,0	9.0	¥ /0.0/	6.0	٥.٥	9.0	*000	\$0.0	15-	7.57	2.0	7.5	6.5	
			mp/	3.5	35	4.0	40.0	* S.0	45/	6.5	7.0	3,0	* 2. 12.	40.0	\$ 5.0	6.0	75,	*2.	+12	t, 0, 5,	4,0	* 0.?	*'S	3.5	2.5	4.0	3.0	
		20	70	7	7	h	12	۲ (0	7	~	-	7	•	٦	2	4	7	~	2	7	4	6	00	9	9	~	
	(Mc)	2.	n _O	01	8	0/	/3	9	0/	00	9	2	7		20	11	e	~	~	3	8	2	7	6	7	01	10	
	5		Fam	54	5-6	54	54	52	49	ah	36	3	34	₹ %	32	32	べか	32	32	36	36	42	18	53	56	26	26	
	S		Ldm	0.01	*//.5	14.0	7.5	11.0	* 6.5_	* \3.5	10.0	15.9	*	¥ /0.0/	1,5		10.5	6.0	* 5.0	9.0	19.5	16.0	11.0			14.0 14.0	13.0	
	Frequency		De Vam	5.5	15.5	* %	4.0	t 6 15	3.0	*0.8	50	*%	*0	* 2.0	1.0		40.0	* ~	5.5	5.0	* کنگ	*0.6	6.0	+75/2.0	3.0	120 XO	8.0	
	Fre	545	70	6	7	و	11	1	7	W	W	7		7	9	7	7	10	7	7	4	2	00	1,2/	9	0/	9	
		ů.	مً	11	7/	11	7	14	7	0	3	11		2	11	9	01	7	7	6	10	7	9	0	12	6	1/	
			Fam	2	83	100	18	M	89	157	65	49	62'	65	49	66	63	63	63	87	67	29	98	89	90	16		
	Ī		mp-	11.0	11.0	12.0	9.5	13.0	4.0	+ 23.0		12.0		*0.	11.0 64	13.0 \$3.0	13.0	\$00	* 12.5/	4/0.0	* 11.5	0.15	e, x,	1.5/	0.0	4/1.0	5.0 12.0 88	
			D& Vdm Ldm	5.5	6.0	2.0	6.5	7.5	8.0	14.0		7,0%	4 * *	75.	4.0	3.0	2014	7.5	7.0 ,	75%	7.51	14.0 21.0	10.0/	6.0 11.5	6.0 10.0	4.5	5.0/	
		0	70	7	-9	6	9	7	9	00	9	- 1	-	1	01	11	-	, //	0	10	/3	2	10 4	00	2	9	4	
		.160	no	00	4	5	4	00	9	61	73	20		16	25	76	23	00	14	13	16	7	15	~	01	00	10	
			F _a	103	101	901	107	103	93	18	63	48	*00	18	18	80	26	23	2	83	84	46	66	103	103	105	105	
			Ldm Ldm	12.5	*//.57	4/2.0	13.0	135	10.57	7.5 /3.0	* × ×		* 0.0	* 30	* 20.0x	19.0	17.0	18.0	* ° °	14.0	17.0	0.9/		* 13.0	0.0	* 4.0 /× · S	*7.0,3.0 105	
			De Vem Lem	0.8	7.0	75%	* 8.0	\$0.0	5.01 0.3	*2	15.022.0	*//5/	* * * /2.0 /8.0	# 15.0 # 0.51	\$12.5 \$0.0	11.5 79.0	10.5	* 11.0 18.0	4.0	7.5	4,00	0.9/ 2.0/	9.5 15.5	7.0	7.0 12.0	70%	7.0	
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Lat, 35.6N Long. 140.5 E Month April 19 61

Station Ohira, Japan

MONTH-HOUR VALUES OF RADIO NOISE

 $f_{\rm qm}$ = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db D_{χ} = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

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 $F_{\rm cm}$ = median value of effective anienna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\rm g}$ = ratio of median to dever decile in db $Z_{\rm g}$ = ratio of median to lower decile in db below mean power $Z_{\rm cm}$ = median deviation of average voltage in db below mean power $Z_{\rm cm}$ = median deviation of average logarithm in db below mean power

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Vdm Ldm

Dr Vam Lam

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19 61

March

Month

Lat. 25.8 S Long. 28.3 E

Station Pretoria, S. Africa

MONTH-HOUR VALUES OF RADIO NOISE

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 D_u = ratio of upper decile to median in db D_g = ratio of median to lower decile in db V_{dm}^- median deviation of average voltage in db below mean power L_{dm}^- median deviation of average logarithm in db below mean power

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Second S	MO	F	H-H	MONTH-HOUR VALUES OF RAD	>	ALU.)ES	PP	RAI	0	NOISE	SE		Stat	ion P	reto	Station Pretoria, S. Africa	S. A	frica		nt. 25	8.	Lat. 25.8 S Long. 28.3	g. 28.	ا ت		Month		April	_	<u>6</u>	19 61
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 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db $V_{\alpha m}$ = median deviation of average voltage in db below mean power $L_{\alpha m}$ = median deviation of average logarithm in db below mean power

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 F_{am} = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

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This sheet is a correction for corresponding sheet appearing in Technical Note No. 18-9.

 F_{qm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper declie to median in db $D_{\mathcal{R}}$ = ratio of median to lower declie in db

 V_{dm}^- median deviation of average voltage in db below mean power L $_{\text{dm}}^-$ median deviation of average logarithm in db below mean power

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H-HOUR VALUES OF RADIO NOISE Station Pretoria, S. Africa Lot, 25.8 S Long, 28.3 E. Month February (Mc) 13.3 1.24	1961			Mp/ 3											e d		1	1				1			1			
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 $F_{\rm dm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\rm g}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

This sheet is a correction for corresponding sheet appearing in Technical Note No. 18-9. RN-13

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 $\Gamma_{\rm GIII}$ = median value of effective antienna noise in db above kitb $D_{\rm eff}$ = ratio of upper decile to median in db $D_{\rm eff}$ = ratio of median to lower decile in db $V_{\rm GIII}$ = median deviation of average voltage in db below mean power $L_{\rm GIII}$ = median deviation of average logarithm in db below mean power

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Station Rabat, Morocco	(3)	2.5	o no	6 4	12	2	2	2 5	5	7	4 6	7	7	9 2	70	7	8	0/	7 7/	5	7 8	2	9	7 9	2	2	7	
t, 1	(Mc)		Fam D	29	573	58	3-6	56	52	19/	38	34	32	32	32/	رد	30	/ حد	32/	36	38	44	56	8-5	09	5.8	8-5	
Raba	ς		L-dm F	7)	-,	-,	~,	-,							-))		,	,	2	. 3		-)	<u> </u>		-,	2)	
~ _	Frequency		Vdm L																									
tatio	Fre	495		7	7	7	~	9	3	7	9	0/	9	4	~	9	9	4	و۔	-9	9	12	9	h	3	3	4	
S		4	2	00	4	9	'~	7	17	7	8	5	9	01	11	1	9	18	16	30	7	11	6	9	7	7	12	
			Fam	28	86	700	33	80	64	5-5	5-8	99	79	5.6	75	79	9	54	5-8	90	20	2	20	68	20	98	98	
NOISE			Ldm																									
8			D& Vdm Ldm																									
		091		اري	9	9	00	00	و	9	10	12	4	00.	7	2	~	~9	0/	0/	0	~	9	12	٦	9	n	
AD			n O m	2	7	6	2	00	9	8 46	9 8	5	6 4	110	7	8 5-	2		00	7/ 96	3/	0/0	1	2	8	8 011	70	ktb
œ			m Fam	7//	114	7//	7/7	108	96	0	86	97	86	94	96	86	86	96	96	0	93	96	104	110	801		0//	above
P			Dr Vem Lem																		-							db ni
S			P/ 1/0	7	*	4	4	4	9	7	7	~		5	9	9	7	4	9	3	9	·	7	76	m	~	7	noise
3		. 051	Du	~	9	~	7	7	, 7	9	01	0		2	9	7	~	7	5	00	6		8	7	4	m	~	tenna
₹			Fam C	128	851	128	801	176	126	811	12/1	109	* (114	911	811	920/	122	77	120	8//	18/1	124	126	126	126	801	ve an
œ			-										* \			1								/				effect
00			Vdm 1-dm																									ie of
<u> </u>		13	70	γ	જ	γ	N	ત્ર	ત	γ	7	જ	~	へ	0	ィ	ィ	~	0	4	ત	76	0	4	જ	~	1	in valu
F		0	ρq	m	7	16	7	7	4	٨	4	7	e	7	7	7	m	7	4	9	7	7	4	~	7	3	4	media
MONTH-HOUR VALUES OF RADIO			Fam	158	8-51	02 15%	8-51	04 15-8	8-51 50	8-51 90	15-6	45/ 80	451	451	154	9-51	15-8	8-51	15-8	15-8	157	158	156	851	8-51	15%	158	Fam = median value of effective antenna noise in db above ktb
2	(TS	ג (ר	noH	8	0	02	03	04	05	90	07	80	60	0_	=	12	13	4	15	9	17	8	6	20	2	22	23	

 F_{qm} = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

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Σ	LNO	MONTH-HOUR VALUES OF RAD	出	X	LUES	9 S	02	ADI	0	NOISE	SE		Stati	ion	Raba	Station Rabat, Morocco	oro	000	Ĭ.	Lat.	33.9	33. 9 N Long.	•	6.8 7	M	Month	ıth .	Σ	May	6	9 61
(TS.													F	Frequency	ncy	(Mc)	3														
ال (٦		.013			051				160				495				2, 5				เร				10					2 0	
noH	Fam Du	u DL Vdm Ldm	-dm	Fam	Du De	Dr Vam Lam	m Fam	n Du		D& Vdm Ldm		Fam Du	JO L	Vdm	Ldm	Fam Du	Ja u	Mp/	Vdm Ldm	Fam	D _u	MP/ Jam	Vdm Ldm	Fam	Du	Dr Ve	De Vem Lem	m Fam	n Du	70	Vdm Ldm
8	H 951	7		130	4 4		114	~	4			84 b	7			62 4	9 +			58	3	4		84	7	3		26	8	7	
ō	H 251	~		871	6 4		hii	2	7		-0.	8 48	7			60 5	5 4			57	7	~		18	4	76		76	٦,	٦	
8	156 2	γ		130	7		7//	2	7		0	84 10	7		~	60 5	5 4			53	4	15		49	9	4		26	0	7	
03	15-6	7		601	2		7//	2	7		~	P4 7	9		3	60 6	6 7			3-6	7	7		47	9	~		26	-	٦	
04	04 156 4	7 7		128	2		70/	<i>∞</i>	e			28	6 6			5-9 2	7 7			2,5	W	7		16	5- 6	7		76	-	٦	
02	15-6	4 2		124	6 4		96	90 13	4		~	11 49	9 1			5-6 9	9 6			15	4 "	4		hh	4	~		26	W	7	
90	154 4	4 4		118	4 6		90	90 13	9		7	62 16	4 9			8 44	7 8			hh	5	h		42	~	4		36	~	~	
20	154 4	4		1/2	2 8		2	h/ h6	00			61 13	3 //			39 14	4 7			31	10	4		38	٦	3		26	4	7	
80	152 4	~		114	14 10		94	6	7		9	66 17	7 6		,	35 12	5	1-		28	13	9		34	7	7		26	9	8	
60	4 ES1 60	1 5		114 1	14 6		94	81 46	4		2	66 22	2 6			35	4 9	,		مر	8	, 9		34	٠	٦,		26	8	4	
9	154	9 9		811	9		92	92 22	11		9	62 28	9 8			34 14	7 4	9		26	19 1	9		32	9 8	5		pe	8	7	
Ξ	154	7 4		120 18	14		2	92 29	6			70 22	2 16			34 16	7			hr	20 1	7		30	14 4	4		26	2	7	
12	15-5-10	0 3		124	16 6		101	100 001	1/3		, -	70 31	6			35 1	14 3	~		260	22 3	5		34	\ <u>\</u>	7		26	9	7	
5	15-6	p 9		41 601	4 6		9	48 22	10		3	67 30	010			36 2	20 6			76	191	9		36	9	7		28	0/8	N	
4	156	7 3		1/9/2/	4		10.	61 001	16			72 28	217			36 2	20 6	2		38	61	8		94	5	10		28	14	7	
15	15-8	2 4		130 10	6 0,		101	100 001	7/			76 28	117			40 22	2/0	0		36	14 1	11		42	9	2		30	8	3	
9	15-8 6	2		41 801	8 4		99	99 22	13			26 28	8/ 6			38 2	9 60			40	15-1	14		146	7	9		30	1 2	۲	
17	4 851	t		178 14	7 /2		100	50 001	14			72.34	7			40 ag	9 8			46	7	7		84	7	9		30	7	٦	
8	156 3	5 3		120 18	9		9	93 21	1			12 17	2 10		4	44 20		2		20	00	9		49	2	7		30	7	૪	
<u>0</u>	1545	S 2		124	8 01		100	110	00		,	80 9	9		7	4.5	9	7		3	7	7		50	-9	7		30	w	12	
20	15-6	7 7		87/	2		801	6 8	7		9	P4 7	7			62 5	5 6	,,		28	3	4		18	9	~		26	7	٦	
2	15-6	7 4		130	1 1		//3	~	7			86 4	7			62 5	7			28	1	2		84	7	7		76	8	Z	
22	22 15%	7 7		33	200		112	9	9			4 98	2			779	4 9	*		53	5	2		86	ィ	7		25	m	`	
23	23 15%	76		130	4 4		0//	40	7			66 4	7			62 5	5- 4	+		28	4	7		46	7			26	7	~	
	3 m = mc	Fr. = median value of effective antenna noise in db above ktb	effec	tive on	tenna not	ab in ab	ahove	kth																							

 F_{qm} = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

			Ep.	3.0	8.0	1.5.	\$00	7.0	7.0	7.0	8.0	*0.	6.0	5.0	F. 57	X 12/2	7.0	6.5	\$ 00.5	15.	5.0	6.5	4.0	* 0 1,0	7.0	11.0	6.0
61			Vdm Ldm	* 5.	4.0 3	* 0. 6.	* 2°	4.0	\$ 0.5	4.0 %	15.0	* S:S	2.0	3.0	\$,0.5	*3	₩.0	3.0	35.	3.5	7.5	4.0	7.5	*°°°	3.0	6.0	3.5
<u>6</u>			70	00	10 4	* 0	200	6	* 5	0	00	80	8	*1.2	8	0	10	0/	700	₹?	9	7	*	00	6	2	0/
- 1		20	Du	7	7	~	7	7	3	7	7	~	7	7	7	7	7	2	00	10	9	0/	0/	7	لم	7	7
lch lch			Fam	36	38	38	36	9	37	36	36	36	36	36	36	36	36	38	38	38 /	38			38	37	36	38
March				11.5		_		0 3		_			10.5	11.0	10.0			_		11.5	7.0	10.01	3			5/3	_
			De Vam Lam		7.0 13.0	13.0	5.5 10.5	0.0/	1.0	\$ 0	5 /2.0	4 6		* / ·		0.8/0	72.0	2.8	* /2.0				5 11.0	0.6	6.0 10.5	5.5 11.5	8.0 13.5
Month			/ val	6.5		6.5		2.0	4.5	4.0	1×0	7.0	4,0	\$50	4.5	2.0	6.5	4.5	* P	\$ 5.5	3.5	5.5	×6.5	3.5			*00
~		1 0		7	8	9	10	00	90	7	11	00	7	4	10	10	17	7	12	10	9	9	2	-9	7	9	00
≱			n _O	9	9	9	4	4	9	7	9	7	7	9	9	7	7	7	~	00	(2)	00	7	7	4	~	7
45.8			Fam	5.3	53	5	15	49	49	64	64	47	43	141	41	43	12/	47	51	55	55	5.5	5.5	5	\mathcal{C}	555	155
			Vdm Ldm	* 13.0	5.5 /3.0	13.0	6.0 11.0	13.5	6.0 11.0	* /3.5	4,0	12.0	# 11.0	7.0 11.0	4.511.5 41	8.0 12.0	10.0 16.0	1.0	7.0 13.0	13.0	6.0 12.0	45,	5.0 11.0	* 00 'V	9.0 14.0	7.5 13.5	6.0 11.0
Long.			/dm	* 8:5	5.5	7.0	6.0	7.5	6.9	7.5	\$00	7.0	6.5 11.0	7.0	* 3	8.0	10.0	40.0	7.0	7.5	\$0.0	4.0	4,5	FW.	9.0	75.5	\$ 0.0
တ၂			70	8	00	7	01	7	//	11	14	15-	14	00	7	7	12	7	10	11	00	0/	7	10	12	0/	10
23.3		2	D.u.	4	8	9	2	7	7	7	9	4	9	4	00	2	11	31	10	15	9/	8	12	9	8	4	4
			Fam	65	23	19	25	19	19	39	53	47	10	39	35,	35	43			24	57	63	99	65-	65	65	65,
Lot.			Vdm Ldm Fam			13.0		_	4.0	13.5	12.57	10.0	10.5	7.5			1.5	15.0	4 + 47	, y ,		6.0 12.0	9.5	0.11	11.5	11.5	0.//
_1			dm L	7.0 135	16 5.0 11.5	7.0 %	7.0 12.5	6.0 11.0	8.0 14.0	* 0.7	4.5.8	\$ 5.9	5.0 /1	3.5	6.0 11.0	5.0 8.0	7.0 11.5	5.0/0.2	+ 0	7.5 11.5	9.0 14.0	0.0	4.5 9	6.0	4 0.9	6.5	0
Brazil		2) Z O	12/	5.	14	14	16 6	14 8	* 51	4 01	100	5		* 0/	2	7 *	2	18 6	18 7	18	* //	4 8	9 8	8	14 6	12 6.0
	(2)	7	Du	8	7	8	7 9	1 /	7	10 1	_	. 0/	4	4	16)	20	10	36	32/	30 /	150	14 /	0/	7	9	7	7
se,	(Mc)			65-		65	63	65	65	1 92	45 /2			33 (33 /		36 2		47 3		572	63 1	1 69	1 69	6		
São José,	ج		D& Vdm Ldm Fam	_	5 67				2	5,	=	5 37	5 35	3	20	33	15.0 3	0 39	7	5 49		13.9 6	_		59 5	59 5	67
São	Frequency		٦	12.0	7.5	7.6/	/3.5	5 14.0	4.5-10.5	10.0	10.0	10.5	12.5		- 15.0	4 /0.0/		*0.			1/1.5		4.0	10.	12.5	14.5	1,0
Station	requ		> 9	7.0	4.0	200	* 0°	8,5	* 1	7.5	6.0	6.0	*5	Į	7.5	4.9	11.0	+3;	40.	45.		7.0	8.0	45.	8.5	4.5.	\$ 5.5
Stal	Œ	545		14	74	~	41	17	7	1,2	1/	7	8		9	اک	8	00	2	10	10	9	9	0	6	0	7
			ם נ	9	7	7	9	7	1	2	12	4	4		00	9	14	17	17	,5	14	16	10	~	7	7	00
1.1			Fam		18	19	29	18	26	17	80	77	19		75	17	83	83	82	85	83	83	83	98	98	85	83
NOISE			DA Vdm Ldm	0.81	13.5	10.0/6.0	8.0 14.0	15.5/	4,5.51	4/1.0	11.5	10.0		* <u>(</u>	10.0/5.0	\$00	4.5.	14.0	5.5 4.0	6.0 11.5	10.0/6.5	9.0 14.5	¥ //.5	11.0	10.5	4.0 /0.0	15.0
9			V _d m	2.0	7.5	¥ 10.01	8.0	¥0.	*2.	7.5	8.0	7.5		¥ 8.5	10.0	*15	15,5	· 0	2.5	6.0	10.0	4.0	6.0	6.5,	7.0	6.0	200
0		9	7a	16	14	41	16	17	151	9	7	1		7	0/	0	0/	17	16	23	88	16	0/	10	14	18	7
ă		77	Du	8	9	00	00	0	- ' -	14	6	10		7	00	00/	23	26	28	61		151	16	00	0/	-9	9
A A				88	98	84	48	19			00			77	22	65	68 23	75 26	76 28	83	9/ 98	24	98	88	88	90	80
بيا			De Vam Lam Fam	11.0			0.9	0	14 40 11.0 77	9.0 14.0 62	٥.٧	6 8.0 12.0 60	3.0	.5.		10 8.5 12.5 65 18	0.	3.0	, ye		-	9.0 13.0	_	10 9.5 13.5 88	0.0	3.0	8 16 80 730 88
0			dm L	6.5	14 4.5 8.5	14 10.0 16.0	0.0	97 11 15 10.0 16.0	* 0	,0	8.0 12.0	* 0.	\$ 13.0	10.0 12.5	9.0 4.5	15.	12 5:5 9.0	8,0 13.0	98 18 20 4.5 9.5	19 55 50	98 20 19 5.0 7.5	0	0412 15 6.5 HO	15.	14 10.0 16.0	8 16 80 13.0	0
SI			\ 70	176	4	7/	7	*/~	74	10	9	4 9	400	40	100	0	<u>ر</u>	100	47	45	45	*00	5, 4	0	* 5	6 100	004
5		113		1 8	00		7		0	101	8	9		7	00		7	197	8		0	3 /	\ \ \	0	08	-	
₹			O E	_		100/00/	0	7 1	19	86 1	62	82 (_			84 10	1 88		18	96 20	200	10	1 /	7			
			D& Vdm Ldm Fam Du	11.5 17.0 104	16 12.0 15.5 102	_	10/0	=	10 8.5 14.0 96 10	_		8	3	18	11 12.0 19.0 82	08	00	06 3	9		6	70 11.5 100 13 18		13.0 102 10	12.0 104	0/0	0/
E			-F	17.	15.5	10.5 17.0	* 6.	16.5	* 14.0	12 10.0 15.0	14 \$11.0 17.0	15-11.0 17.0	11.5 18.5	4.0	19.6	18 12.5 19.0	0.0/	40,	40.	t'.0	13.0	//. 5	10 75 4.0	+ 3	7.4	* j.	100
오			\ Vdr	=	12.0	10.5	*	13.5	#00	10.0	#1.0	11.0	5///	8 12.0	0.6/	2.5	12 70	*12	8 5.5	0.0	9 to 0.0	7.0	* 5.	10 8.0	10 7.5	₹ <u>0</u>	*_o
1		051		14		9/	6 14 # 7.5 100 12 14 10.0 16.0	4			14		14		_	18	_	10		13		12	_			7	14
F			Du	8	7	-9	9	8	8	60	00	1 7	9	00	0	9	9	18	18	14	13.	122 8 12	9	122 10	000	122 6 14 TOS 15.0 104	122 4 14 6.5 70.0 104
MONTH-HOUR VALUES OF RADI	•		Fam	120	てと	120	00%/	116	05 // 6	112	80/	107	106	104	105	0//	611	911	15 118 18	120	10/		122		120	122	(2)
2	(TS	اله (٦	Hou	8	0	8	03	04	05	90	07	90	60	0	=	12	13	4	-15	91	17	18	6	20	2	22	23

 F_{qm} = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

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			+ E	5.0	4.0	45,	5.0		5.0	2.0	1.0		5:0		67.0		12		4.0	4.0	1,5,	4.0	3.0	2.1		3.5	5.0
61			Mp mp/	4.0	3.0	7.5.	4.5		5.0	1.5.	1.0./		4.0		, s.		2.0		4.0	3.0	15.	2.0%	3.0	0.7		3.0	4.0
<u>6</u>			Yo	7 7	*	7	~	7	1	76	7	2	2	2	7	٦	7	7	7	7	2	9	7	7	7	7	7
1		20	Du	7	d	7	7	1	7	7	7	~	~	~	2	-9	5	2	0	0	٦	~	h	7	n	8	8
April			Fam	37	37	37	35	35	35	35	15	12	357	155	33	3	123	35,	35	37	37	37	35	37	37	32	37
\A			Ldm	5.5	\$ 5.0	*15	6.0	4 %	4 3	12	7,0	* 9	1/2	5.0	4.5.	*00	7.0	200	4-0	6.5	*,5	7/	5.5	5.0	45/	ه بي	6.0
Month			Vdm L	4.5 5	* 3	4.0.4	5.0 6	* 4.	47.0	*2°	32,	40 %	*W	* C	*~	*2°	*10:N	* O. 7.	* 3.	3.5 6	* 12.5.	* \ " \ " \	ی کی تی	*3 12	4.5.4	2 2%	9 0%
β			DEV	4	40	7 4	7 3	*	7	7	00 \$002	12	*	12	*17	**	* ~	3	1 x	w	1,2	* ~	4	12 * 2	* 7	7	4 4
. 1		10	Du	7	_	2	-9	200	13	00		7	9	00	00	0/	00	7	9	9	15	4	~		8	3	7 /
₩ 8			Fam	5.5	3.6	5.4	h5	47	43 1	2	53	49	94	43	43	43	hh	95	66	51	53	54	5.5	57	5.6	5.6	555
45.			Ldm	4.0 6.0	7.5	7.0	4.5	15.4	_		5.5	*2.	و٠٠			* 00 . 5.	2	7.0	1 × ×	6.0	6.0	۱,۷		* S	12.5	\$.0	9.0
Long			Vdm L	2.5.4	6.0 7	4.57	3.0 4	3.0 4	* * * S.S.S.S	*. 6.5.	3.0 5	*2.5	*~9	7.8 2.0		*0°		*Z	* 2	*2 0 ×	* 25.5	* 18		*W.	* 0	* 2.5	*5%
S I			DEV	72	2	*2 01	2 tw	8	1 1 1	40	~	* 5	7	12	4	W **	~	1	2	72	₩.J.	*/	9	2	*.0	¥2	4,
3		Ŋ	D _u	9	, h	1		5	13	9	7	~	12	12	9	14	17	7	6	9	7	6	1	7	7	7	7
t. 23.			Fam	63	09	19	1/2	_	1 65	19	23	49	45	117	38	39 1	39 1	42	47	53	55	63	65	65	65-	65	59
Lat			Ldm	2.0 6	\$.0 6	7.0 6	3.0 6	6.0	7.5- 3	35.6	3,0 %	* 0	7.0.2	430.5	3.0	* 0.0 1.)	*9 12.9		7	50.0	12:5	7.0 6	3.0 6	\$:00	400		7.0 6
			Vdm L	4.5 7.	* 0.7	5.0 7.	* 2.5.4	* 0.2 5.0	4.5 7	*6.0	6×1,	* 12.X	*2. *2	*W	* 20 10 14 W	*0.0	*0°	65/		\$5.5	*20 *20	* C	2.5 5	*2.	*20: *0	3.5 4.5	15.5
Brazil			De Ve	6 4	47	8	* 2	₹.2	7	1	00	*~	7	*	₩ #18	7 x	42	10/	9	4.2	12	5	7 2	·* 2	*2	9 * 0	1,2
Br	3	2.5	Du	5	3.	10	9	78	12		1,2	7	0	0/	00	2	, 0/	18/	35,	0	7	2	00	9	٦,	7	3
sé,	(Mc)		Fam L	67	66	66	66 1	99	65 5	57 1	84	39	36 9	34 /	32	34	34 /	43	00	46	5.3	67	99	99	1	9	67 3
Station São José,	ς		Ldm	13.5- 6		17.5		15.	13.0	* 0.0.		10.0	100	11.0 3	300	11.0 3	7.0 3			115/	11.0		_	_	13.06	4.0 6	
Sã	Frequency		Vdm L	11.0 13	0.91 5.0	* 4.1/	12.0 180	11.0/4.5	8.0 13	* .7	9.5 13	* * %	60 ×	7.5 //	91 0.9	15	*C 0.7	0*	* C + C	7.5- 11	8.0 //	10.0 4.5	7.5-10.5	9.0 12.5	* 0.5	10.0 14.0	9.0 14.0
atior	rec	10	DE V	11 00	200	* 61	18/	14	08	* ~ ~	22 9	*×	40	19	9 8	18 6.	* 27	e*	* 5 OX	26 /	8 hr	+ 8×	24 7	6 pt		26 10	26 9
Š		545	D _u	0/	101	11	101	00	00	7	2	2	2	1	1 9	1	7	ار ان	6	0	e	3	6	7	2	9	2
			Fam	196	76	75-	74	72	74	20	26	24	75	3	72	2	2	28	28	28	96	08	186	08	08	20	2
Й				18.5-	15:0	17.0	180	18:0		/30 /	-	4,5		9.5	8.0 7	10.0	0.01	12.0	10.01	* (0.0/	7.5 7	12.5	16.0	==	=		
NOISE			D& Vdm Ldm	11.5-18	12.0/	13.5	14.0 /	13.0 /	135 17.0	9.0 /3	10.01	*0.7	* 00	5.	5.0 8	7.0 10	6.5 10	75 /	6.0 10	* 20.	5:07	1 0.8	10.01	07/10/150	12/13.0 175	14 13.5175	11.0 160
) 7 N	7	191	77	10/	8	9	2	*	**	1 1	9	7	12	20	6 7	9 9	*,	6 5	10 8	17/	1	7	4 /	10
8		246		12/	/	13 /		7/				9	4	9	7	9	2	h	00	191			9	/ //	7	0	00
RAD			Fam Du	19	1 18	19 1	171	151	73	65			7 79	63	79		77		159	65/	7		79		39	100	8/8
L				_	7.5	_	16.0 205 95- 14 22 14.0 17.0 77 14	7	3.0	7 0.5	6 8.5 11.5 61	12 13.0 17.0 61		7.0 1		4 0.0/	9.0	13.0 6	2.0	9.0	11.0/5:067	10 /		0.0	124		
ō			De Vem Lem	0.06 0.41 060	14 22 14.5 17.5	16 18 15.0 18.5	1.0.1	11.5 15.5	12 18 9.0 13.0	4 4	* 1	3.0 4	8.5 4.0	5.0	8.0 11.5	* 0.8	6.0	8.0 13	8.5 12.0	5.5	1.0/	18 80 140	20 12.0 16.5	0.0	11.5 165	0.0	22 135 19.0
SI) Z Q	1/ 0:	べて	00	ر ا	1 ht	40	*10/	400	17	100	2	7	400	4 6	00	8	5	* 8	8	20 1	0 10	1/ 2	20/1	7
5		113		16	7	9	7	17/	7	00		9	00	7	9	7	01	(3	77	14	16	10/	00	0	9	7	6 41
₹			E		70	91	5-1	7	1					19							_	1 68	93	3/		3	3
~			E	0	6 0.	0	2.	0.	'A	12.	1,0,	0.4		5	3.0	0.	5	8 0.	3 3	5 7	9.0.9	30.		9.0	9 0.	6/5/	5
Ä			Jm Ld	13.5 21.6 93	15.0 20.0 95	160 22.0	* S	14.0 20.0 95	15.5 200 91	13.0 20.5 83	40.6	*5	*000	10.	19.0 23.0 77	# * 21.0 77	100%	, si *%	13.5 18.5 81	13.0 18.5 79	14.0 19.0 81	13.0 19.0	13.5 20.0	3.000	16.0 01.0 95	50.0	15.0215 93
구.			DA Vdm Ldm Fam Du	6 13	8 115	7 18	* 8	6 = 2	6 × 5	7	P 19.0 24.0 79	16 17.5 24.0 83	12 15:0 20.0	11 15.0 21.5	10/	12	10 14.021.5 77	10 725 18.0	8 13	8 13	M 8	6 13	4 13	4 13.0 20.0 93 10 20 10.0 16.0 79	11 /	2 15.0 21.5 93 14 20 10.0 15.0	6 13
Ė		.051	Ou C	9 8	00	6	00	101	00	7	4	08	1 8		101	10	5	7	9	9	4 8	7 7	9	2	8	00	9
MONTH-HOUR VALUES OF			Fam D	115 8		114		113/	113 8	111	1	-50/	103	1021	103 1	101	107	, 601		111	111	111	//3 (1/3	1/3		115/
MC	(TS	اد (٦	UOH To	00	51/10	05 //	03 115	04 //	05 //	90	07 /0	98	60	10	11 /6	12 /6	13 /6	14 /1	15/6	16 //	17	18	/ 61	20 /	21	22 //3	23 //
		,,		0	J			O	0	0	O	U	O			_						أنظ		co.	N	(1)	(4)

 F_{om} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile for median in db D_{x} = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

ĺ	0.8	8.5	R-28 1-13
I	5.9	5.9	USCORAL RA

61			Vdm Ldm	6.0 7.5	4.0	6.0		2.0 4.5	5.0	2.0	7.0	5:0	7.5		2.0	4.0	4.0	18.0	4.0	13.5		4.5	0.9		0.9	0.8	8.5	
9 61				6.0	4.0	4.0	2.0	2.0	3.0	5.0	5.0	35	0.01		4.5	<u>ب</u>	1.0	4.5	15.	1.5		2.0	40		4.0	6.5	6.5	
_		20	7 ₀	7	γ	7	γ	7	7	~	7		I		4								W		ત		2	
>		2	D _u	4	2	2	+	1	7	4	7		7		٦								7		W		7	
May			Fam	33	31	31	3,	3/	7	31	3/	+ ~	31	±₩	3/	*~	32	₩	£	±₩	33	33	34	+13	33	33	33	
ا			De Vam Lam	15.0	10.0	8.0	9.5	180	8.5	8.5	19.0	/3.5	15:0	8.0	11.0	90	6.5	8.0	9.5	7.5	7.5	0//	8.5	0.01	10.0	15.0		
Month			Vam	12.0	8.0	6.0	7.0	15.0	6.5	5.0	10.0	9.6	13.0	4.5	2.0	5.5	4.0	3.5	5.5	4.5	4.0	7.0	4.5	0.0	0	11.5		
Σ		0	DE	00	8	7	9	~		9	00	9		12	7	ر	4	4	9	9	7	ħ	و	و	9	0		
≱		-	n _O	9	∞	/3	7	13		6	00	7		6	01	00	~	0/	9	10	0	8	00	90	4	9		
45.8			Fam	15/	47	hh	43	40	38	43	47	45,	+3	42	39	3	7	143	47	5/	12	12	53	53	Q	5	*P	
			Vdm Ldm	14.0 17.0	15.0	13.5	19.0	13.5	19.0	11.5	14.0	13.0 16.5	0.01 0.5	5.5 10.0	9.0	7.012.5	12.0	12.5		11.0	6.5		11.0	15.0	10.0 13.0	140	12.019.0	
Long			Vdr	_	11.0	9.0	14.0	15.6	0.01	7.5	9.0		9,5	12.	15.2	2.0	8.0	7.0		2.0	3.0		7.0	11.5	0.0/	10.5	13.6	
3 S		5	7 ₀	16	00	9	7	2	7	8	00	9	2	7	7		1/2			2	7			9			7	
23.3			n _o	1 4	%	1/2	1	0/1	11	3	12	12	9	9	9		7		10	00	00			7		1	3 4	
Lot.			n Fam	19 61	53	151	5.7	15	15	62	5-2	47	9 43	39	35	*%	139	Top.	745	1-5	5.5	40	* C3	65	63	# 3 65	63	
- 1			Vdm Ldm	0.6	017.0	13.0 17.0	5 16.0	14.0 18.5	5 17.0	13.0	0.0	*6	* 11.0	9.0	6.0	\$ 0°	5:5	2.5	7.5-	*00 Si	1 00 × 00	\$0	- 12.5	*0;	12.5	95 735	6 135 170	
zil			Vdr	5.0	13.0		12.5		13.5	* 6.0	* 2:	0 er+	*g.	+10	* &	₩,	4 %	\$5.0	6.0		4.5	7.0	8.5	*\si	9.0	\$ 0 to	13.	
Brazil	$\tilde{\alpha}$	2.5	Z _Q	-	01	ヾ	9	3 7	01 8	7	00	00	<u>۸</u>	7	7	6	3		7	9	8	2 01	0/ 0	9 1	90			
se,	(Mc)		D _u	5	11	7 ,0	55 14	6 13		11/2	2 10		14	3	9	0	1 13		3 14	9	6/9		1 10	111	1 8	6	58 12	
São José, 1	ج		DZ Vdm Ldm Fam	11.0 16.0 62	5 57	0 57		5 56	5.7 a.	550	3 45	17	33	33	20.5	13.0 2	31	*~	33	5 37	14.0 46	55	19 3	5 61	19 3	9	12	
São	Frequency		⊁ E ጌ	0 16.	11.5 16.5	5 19.0	5 17.0	10.0 15.5	17.5 20.0	13.0 170	0 7.0	10.01	17.5 20.0	18.0 21.0			0.40			11.5	14.	0.6	14.0 16.5	15.0 17.5	12.5	2/1/2	24 14 8.5 12.5	
Station	req		P/ 7	10 11	1.	6 14.5	9 13.5	0/ 7/		28 13	4 4.0			5 18	16.5	6 8.0	0/0			6.0	7 9.0	6 40	6 14.	6 15	6 5.0	59	1 %	
Ste	ш.	545	ص م			26		1/80	18 13	7 //	7 46	5	26 8	27 5	27 5		141				23	7 / 1	19 6	7 77	1	27 3	11/	
		į	Fam C	77 77	70 26	68 2	pe 69	70 2	12/	76 1	24 2	74 25	74 x	74 2	72.0	72 25	14/	75/	2/4	75	74 2	76 2	76 1	28 2	782	18 2	78 2	
Щ			لد * E	15/							_	_	17.0 7	12.5	12.0	12.5/	1	13.0 7	9.5- 2	==	8.0	11.0 7		~	_		\rightarrow	
NOISE			DZ Vdm Ldm	17.5-21.5	14.0 19.5	11.5 17.5	12.0/75	9.0 15.0	10.0 15.0	9.0 15.0	9.0 18.0	13.0 19.0	11.0 17	7.0 12	6.5/	7.5 12		7.0 13	5.5 9.	5.0 9.0	3.5 8	7.0 11.	11.019.5	6.5 11.5	6.0 13.0	12 10.0 17.5	13 140 19.0	
		9) 7 d	16 17	13 14	// 0/	14 /1	17 9	1/2/	6 71	6	16/3	11 01	-	9	9		2	2/2/	105	8	10 7	1/ //	11 6	971	7	3 14	
9		. 246	Du		750	28	7	30	27 /	28		1 hr	30 /		28	34			30 /		33	_	_	311		30 /	_	Į,
RAD				80 28	X	24	76	17,	26	19	80	2	89		0	99	65,	89	683	000	200	12 28	76 29	15	76 27	76 3	270	4.1
ىيا			De Vem Lem Fam								10.5 H.S # 8		9.0	5.5 10.0 67	8.0	0:0	9.0	8.0 11.5 *68		4.5 130 68 28	11.0 16.0 66 33	=	_	_	100	757	75.	40
0			*mp/	10.6	12.5 14.0	14 11.0 16.0	13518.5	32 14 13.0 19.0	14.0 00.0	8 10.5 15.0	0.5	8.5 15.0	5:0	5:5	6.0	٥٠٠	5:5	10.0	8.5 12.0	1.5.	1.0	01/ 555	1.5	13.5 17.5	12 10.0 165	29 14 10.5 17.5	1.0 /	1
ES		3	70	10 /	- 1	14	1	14	15/	8	8	7	12	12	5	2	5	9	2	2, 4	8	7	11/	77	7	14/	14	3
7				z z	29	_	28	2	33	38	34		24	38	25	38	26	29	39	75	31	30	32	\rightarrow	32	29	30	
≶			Fam	90	68	92 30	6	06	90	80	18	\$2	27	76	26	2	76	76	76	76	28	48	87 32 11 11.5 17.0	90 30	88 32	76	46	9,000
<u>~</u>			D& Vdm Ldm Fam Du	0.51 0.61 01 28 09 0.00 0.41 01	9.17	30.5	6.5	15.0 20.0 90		8.5	0.8/	8 15:5 200 78		11.0 15.0		12 10.0 14.0 76		13.0	7.0 12.0		1/0			75.7	8.5	7.5	2.5	06600
2			/mp/	14.0	16.0 21.0	12/45/205	0:5/ 5:01	15.0	14 10.0 17.0	12 135 18.5	13.0 18.0	15:51	11.0/80	11.0	6.0 12.5	0.01	7.5 12.5	8.0 13.0	7.0	8.0 13.0	6.5 11.0	11.0 15.0	13 14.5 18.0	18.5 245	10 130 18:5	10 15.5 17.5	0.81	90 00
王		051	γ _Q	_		7/		~	14	7	0/	00	7	0			00	11	11	8	6		_				7	911
Ē	,	0	ο'n	27		30		28	77	38	90	48 34	hr	38		100 31	34	31	29	23	30		27		LE 011	28 801	30	- adia
MONTH-HOUR VALUES OF			Fam	0//	90/	02 110 AP	601	04 111 28	711	06 107	001	86	66	96	86*	100	100	14 100 31	102	001	100 30	*	011	*/3	011	$\overline{}$	23 112 30 14 180 225 94 30 14 11.0 175 77 29	1
2	(TS	د (٦	noH	8	0	02	03	04	05	90	20	90	60	10	=	12	13	4	15	9	17	18	61	20	2	22	23	

 F_{qm} = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

61			Vdm Ldm	5.0	2.0 4.0	3.5	3.5	12.5	4.0	4.5	\$ 5.0	* 6.	45	4.5	7.0	*a.	- 7.5	5.5	- 6.0	7.0	6.0	+ 1/2	6.0	5.0	5.0	5.5	3.0 5.0	
6				3.0		2.0	2.0	50	2.0	s.s.	* 60	43	*8	*%	4/2	# 6	4.5	3.5	ک بی	4.0	3.5	₹2°	4.0	30	3,0	3.0		
_		20	γo	0	~	4	ત	0	76	٥	_	٦	ત	٦	7	7	0	00	4	0	4	7	4	7	٦	7	4	
명			Du	12	7	_	0	٦	0	2	2	2	7	00	90	15,	20	4	00	1	~	4	7	7	4	2	7	
March			Fam	74	24	44	74	77	4	74	44	74	べて	なって	74	78	26	34	30	28	28	38	77	28	28	26	28	
			Dr Vdm Ldm	8.5	8.0	7.0°	,5.	6.0	,2.0	+ 00	11.5	14.0	11.0 165	170	* 165,	15:0	150	7.0 11.5	8.5	7.0	6.5,	6.0	6.0	7.3	6.5	2.0	7.0	
Month			Vdm Vdm	5.0	5.0	40.0	25	4.0	4.0	* 6.	2.0	9.0	1,0	#11.0	41.0	t 0.	£ 6.	2.0	5:5	4.5	3.5	3.5	3.5	4.0	4.0	40	20	
Σ		0	J'G	7	و	7	ч	7	7	7	2	10	00	00	2	0	00	7	4	4	4	4	٦	/	n	7	7	
8 E		_	Du	5	. ~	10	0	~	2	7	8	3	h	0	7	Μ	14	00	7	12	4	4	b	~	0	ィ	2	
103.			Fam	49	64	49	45	43	39	43	43	39	35	35	33	125	39	14	43	45	47	64	60	49	15	12	72	
			Vdm Ldm	0.6	9.0	10.0	9.0	10.0	6.0 10.0	9.0	9.0 14.0	15:5	* 5.	* ():5	4,0 16.0	9.5-17.0	4.87	¥ /5:0	40.61	12.0	8.5	6.0	4.5	5.0	4.5	9.5	8.5	
Long.			Vdm	6.0	3.5	5:0	25	5:5	6.0	2,5	9.0	9.5	* %	*8.5	*0;	70, 2	*00°	*0;	* 0°	2.0	12.5	755	3.0	2.0	2.0	5.0	ائن	
zl		2	70	7	Μ	M	7	7	9	~	h	0	7	0	00	10	151	15	9	-2	7	12	7	~	2	4	7	
1,3			Du	જ	ત	7	76	٦	7	m	4	7	00	η	4	15	1/	15	16	00	~	7	9	د	9	7	~	
Ę .			Fam	19	19	19	63	19	5	555	49	14	35	35,	33	125	44	84	47	49	ζ	19	63	165	59	5.5	19	
			Vdm Ldm	12.5	13.5	13.5	14.0	14.0	14.5	* 15.0	9.0 15.0	× 12.0		* /s:0		7 %		10.5 17.0	11.0 19.0	0:57	10.0	6.0	75	8.0	9.5	10.0	6.0 11.5	
laya			Vdm	15.0	6.5,	2.0	7.0	7.0	2.0	# /0.0	9.0	10.0/		10.0		7.0		10.5		\$ 5°	6.0	4.0	4.0	4.5	5.5	5.0	6.0	
Station Singapore, Malaya		5	7 0	5	7	3	7	7	9	2	9	17	6	6			1/	15	12	9	2	7	7	4	٦	~	7	
ore,	(Mc)	2	Du (7	ď	7	^	7	R	m	6	9	15/	6			19	16	20	17	7	3	76	1	7	4	7	
gapo			DE Vam Lam Fam	77	89	99	10	89	69	100	50	44	37	38	40	10	46	3.5	555	Ĭ,	57	79	99	15.0 66	19	165	19	
Sin	Frequency		Ldm	15.5	16.0	17.5	10.0 21.5	- 19.0	10.5 21.0	22.5	0.61	* 3	12.0 17.5	17.0	¥ 7.0	2.5.4 o.3/	26.0	13.0 23.0	11.0 000	2.15 21.5	185	8.0 14.5	15.0		7.5 140	75:51	8.5 16.0	
ion	nba.		Vdm	હેં	0.0	5.5	10.	11.5	10.5	14.0	15.0	16.0	+2	12.5	16.0		130	13.0	11.0	7.5	11.0	0.0	8.5	15.00	_	8.0	8.5	
Stat	Ľ.	545		9	1	1,0	12	7	10	5	8	1,2				17	18	14	9	00	9	9	1,0	9	y	9	7	
		•	۵ ۵	٦	7	7	7	و	7	17	14	16					15	1/	11	7	00	00	7	7	7	7	2	
1:1			Fam	93	95	95	95	93	6	36	11	9	67	*5	*	93	66 :	13.0 230 103	86	95	95.	97	- 97	95	93	93	193	
NOISE			DZ Vdm Ldm	10.0/18.0	10.0 18.0	10.5 18.5	19.5	- 19.0	11.0 20.0	15:0 25.0	15.0 24.0	* 25:57	15.0 JUS	* 4.0 * 4.5	16.0 25.0	17.0 245	14.0 22.5	230	12.0 20.0	12.0 20.0	12.5 19.5	10.0 16.0	10.0 16.5	8.0 145	10.0 18.0	9.5- 16.0	2.61 2.01	
2			Vdm		10.0	10.5	11.0	10.5		15:0		+14.5	* 15.0	* /4.6	ينتكف	17.0	14.0		13.0	13.0	12.5	10.0	10.0	8.0	10.1	5.6	10.5	
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 F_{qm} = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

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Dr Vdm Ldm Fam		6 10.0 MS	9.0 14.0	9.0 14.0	9.0 145.0 10.0 15.0 10.0 15.0	9.0 14.0 6.0 15.0 10.0 15.0 11.0 17.0	10.0 14.0 6.0 15.0 10.0 15.0 11.0 17.0			نسن نند هم سر سر بدر سر سر سر	9.0 1450 10.0 150 10.0 150 11.0 17.0 11.5 16.0 11.5	900 1450 100 150 100 150 110 170 115 160 115	9.0 145 9.0 140 10.0 150 11.0 17.0 11.0 17.0 11.0 17.0 14.0 21.0 14.0 21.0 15.0 24.5 15.0 24.5 16.0 24.5 17.0	4 900 145 4 90 140 4 100 150 4 100 150 6 115 160 7 145 200 7 145 200 7 150 245 7 150 245 6 140 245 6 140 245 7 150 245 7 150 200 8 130 200	4 900 445 4 900 1450 4 10.0 15.0 4 11.0 17.0 8 17.5 200 7 145 200 7 14.0 2.0 7 15.0 200 6 14.0 2.0 6 15.0 2.0 6 16.0	4 900 450 4 900 1450 4 900 1450 4 110 1750 4 110 1750 8 125 2000 7 140 210 7 150 210 8 120 210 8 120 210 8 120 130 200 8 120 130 200 8 120 1450 8 120 1450	4 900 445 4 900 1450 4 100 150 4 100 150 6 115 160 7 140 210 7 150 200 5 130 200 6 130 200 8 130 200	4 900 445 4 900 1450 4 100 150 4 100 150 4 110 170 8 175 200 7 145 220 7 140 210 7 150 220 6 140 20 6 140	4 900 445 4 900 1450 4 10.0 150 4 10.0 150 8 125 200 7 140 210 7 150 245 7 150 245 6 140 245 7 150 245 8 125 200 6 140 245 7 150 245 8 125 200 6 140 245 8 125 200 6 140 245 8 125 200 8 125 200 6 140 245 8 125 200 6 140 245 6 140 245 8 125 200 6 140 245 6 140 24	4 900 445 4 900 150 4 100 150 4 100 150 6 115 160 7 140 210 7 140 210 7 150 200 5 130 200 6 130 200	4 900 445 4 900 445 4 900 150 4 100 170 4 100 170 6 115 160 7 140 240 7 150 240 6 130 200 6 130 200	4 900 445 4 90 140 4 100 150 4 100 150 4 100 150 6 115 160 1 150 245 7 150 240 1 150 245 1	4 900 445 4 90 145 4 10.0 150 4 10.0 150 8 125 200 7 140 210 7 150 210 10 130 200 8 125 200 10 130 200 8 125 200 10 130 200 8 125 200 10 130 200 8 125 200 10 130 200 10 130 200 1	4 900 445 4 900 1450 4 900 150 4 900 150 4 100 150 6 115 160 1 100 170 1 100 170
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DA Vam Lam		2 6 9.0 13.5	4 10.0	4 10.0	0.00 4 0.00 4 10.00 4	4 10.0 4 10.0 4 10.0 4 10.0	4 600 4 100 0 7 1 100 0 7	4 6 9.0 0.00 1 4 7 0.00 1 4 7 0.00 1 4 7 0.00 1 4 7 0.00	6 9.0 4 10.0 4 10.0 6 10.0 6 10.0	10000000000000000000000000000000000000	1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 B B C C C C C C C C C C C C C C C C C	4 13.55 L 1 13.55 L 13	4 10.00 4 1	4 13.55 4 1 13.05 4 4 1 13.05 6 4 4 1 13.05 6 4 1 1 13.05 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 1355 4 4 13.55 4 4 1 13.55 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2 4 4 4 4 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6	4 13 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4 4 4 4 4 4 4 4 4 4 4 4 6 6 6 6 6 6 6	2 4 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 3 4 5 6 6 7 7 7 7 7 8 8 7 9 9 9 9 9 9 9 9 9 9 9 9	2 4 3 5 4 4 4 7 5 6 6 6 7 7 7 7 7 7 8 8 8 8 8 8 8 8 8 8 8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Fam Du	1, 1	127 3	01 164 2	164 164	164 164	164 164	164 164 164 164 164 164 164 164 164 164	164 164 164	164 164 164	6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	162 164 4 664	1600 2 164 4 4 664 164 164 164 164 164 164 164	162 164 164 164 164 164 164 164 164 164 164	160000000000000000000000000000000000000	162 164 164 164 164 164 164 164 164 164 164									

Fam = median value of effective antenna noise in db above ktb

 D_{μ} = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

RN-13

USCORRINGS-BL

			E	4.0	5.0	3.5,	4.0	0	3.5	وري	15	,5.9	0	20 4	0	5.0	0	0	0	کی کی	5.0	6.0	5.0	5.0	5	4.5	35	
			Vdm Ldm					40	-		405.5		35 5.0		3.5		5	3.0 5.	29	٥,		3.5 6	3.0 5	3.5	3.0 4.5	3.0 4	_	
19 61				2.0	2	2.5	12	3.0	2.5	3.0	7	5:5		₩w.	_	4.0	4.5	ωj	2,5	4.0	4.0				_		2.5	
		20	Ja	~	~	7	76	_	~	7	~	7	78	1	~	Λ,	_	7	7	4	~	7	R	~	7	7	7	
>			Du	7	7	. 5	10	12	7	べ	2	2	0	10	6	13	/3	14	1	00	10	9	7	7	2	N	8	
May			Fam	3	74	24	25	2	44	77	77	74	7		7	23	24	26	30	32	30	30	30	30	30	28	28	
			Ldm	0.0	8.0	8.5	0.0	0.0	8.0	9.0	10.5	15:0	\$ 15.0	* 15.5/	14.0	15.0	4.0	12.0	11.0	8.0	8.0	6.0	4.5	6.5	6.0	6.0	5.0	
Month			Vám Lám	5.0 8.0	5:0 8:0	5.0	6.5	2	2.5	6.0	7.0	10.01	10.0	10.0	10.0	10.5	80	7.5	2.0	5.0	5.5	4.5	3.0	3.5 6.5	3.0	2.5	40 6.5	
ž			DE	7	7	7	ر ع	7	7	4	7	3	30	0	9	7	h	7	~	7	η,		7	~	4	3	3	
国。		10	Du	7	7	2	~	7	7	2	7	7	2	-	00	2/	14	//	10	00	7	9	3	7	7	η	~	
3, 8			Fom	49	47	45	45	43	14	457	43	39	35		35	35	37	11/	43	47	49	6/1	15	15	15	72	15	
103.				8.5- 4	8.5- 4	8.55 4		10.5 4	9.0 4	10.5	14.5 4	120 3	0.	.0					12.5	13.0 4	9.0		6.0	_			8.0	
Long.			Vdm Ldm	15		000	5.5 9.0				8,5 14		4.0 /3.0	10.5 140	10.0 15.0	10.0 14.0	10.0 15.0	10.0/5.0		7.0 13	5.5	6.0 10		5.5	4.0 5.0	5 6.0		
2			Dr Vd	5,5	0.5	6.2		6.0	5.0	- 7.0	=	* 0.0	_		النائد				1.0				5.6	3.0		3.5	15.0	
Z		2		W	べ		~	7	7	12	=	7	7	0	00	2	7	00		1	2	7	3	7	~	2	7	
1.3			n Du	~	7	7		2	7	5	1,2	0	19	15	117	1/3	124	20	7	3 15	00	0	7	~	7	7	3	
Lat.			Fam	53	20	23	5.9	5	157	55	64	43	37	37	کی	33	35	14	50	53	55	5.5	19	63	i	5	53	
			Vdm Ldm	1/.0	0.010.0	13.0	13.0	12.5	13.5	12.0	15.0	*	* 52	13.0	4.3.0	* 195	4,2,5,	11.0 185	# 16.0	9.0 MS	135	5.5 10.0	5.5	9.0	9.0	9.0	10.0	
Malaya			Vdm	6.0	6.0	2.0	6.0	6.5,	8.5,	20	*6	* //.o	\$0.	₹0°	10.0/	*	10.0	11.0	‡0.	9.0	9.0		5.0	2.5	6.0	5.0	6.0	
Mal		2	D	7	4	72	12	9	h	7	7	11	=	00	14	7	7	11	22	17	7	e	7	4	12	\sim	η	
	(MC)	2.	Du	7	7	12	4	4	9	8	6	17	10	3	17	11	17	28	20	18	14	7	6	4	7	9	9	
Station Singapore,			Fam	77	64	27	67	68	99	60	5,2	43	38	36	40	38	35	46	555	5-6	62	64	66	66	16	40	2	
inga	Frequency		-dm	13.0	11.5	15.0	/3.0	9.0	15:0 25:0	45.0	* 26.5	\$		45.0	12.5 23.5	× × ×	24.5	14.0 24.0	21.5	11.0 22.0 5-9	16.5	0.0	13.0	13.0	12.0	50	14.0	
ا ين ا	dne		Vdm Ldm	7.0	6.5	o,	7.0 /3.0	9.0 19.0	5.0	140	14.5	18.0		13.5	12.5	* 13.0 21.0	* 5.0	o h	2.16 2.61	1.0	1.5	6.5	2.0	7.0.	7.0 /	0.8	0.0	
aŧio	Fre	545	De	7	9	12	200	19	, ,	7	* 9	10 *	~	19	20%	00	, 61	20,	00	00	7	72	0	7	2	9	7	
ţ		54	Du	∞	<i>∞</i>	5	7	2	19	17	27	30 /	- T	29	8/	22	14	7	17	15-	6	7	7	7	e	9	00.	
			Fam	26	7	15	97	93	83	18	77	73	18	80	1 88	87	96	99	97	97	62	63	86	95	63	97	95	
ليا		_	m F		5 9	14,5 9	557	16.0 9	8 0.16		25.0	* 0.50		\$ 0 % c	0.	* 3.0 E					\rightarrow		_	15.0	651			
NOISE			D& Vdm Ldm	8.0 14.0	5 13.5	8.5- 14		10.0/		15.5 25.51	* * * 14.5/1/	* 5.5/	13.0 \$3.0	* 0.41	15.0 23.0	×2,*	11.5 DD.S	13.0 23.0	14.0 23.0	2.5. 0.41	11.5 20.0	8.5 16.0	5- 12.0	8.0 15		8.5 14.0	9.0 14.0	
ž			P/		7.5		95.		11.5	_	* 7				12 15	14.5	_		15/14		\rightarrow	ەن و	175	4 8.1	8.0	4 83	_	
9		160		m	2	7	9	6	9	7		10	00	14		11/	114	2 /3		7/	10		5		7	2	2	
RAD			n Du	1 5	9	,2	7	1 5,	9	3 /8		14		13	415 190 112 14	117	116	4	7/	10 11.0 18.0 121 12	00	\rightarrow		4	7		~	k+b
œ			Dr Vdm Ldm Fam	150 150	9.0 15.0 121	9.0 NS 121	90 145 121	160 150 0.01	611	11.5 19.0 113	120 180 113	1	13.0 21.5 109	13.0 200 110	11:	114	611	05/ 0.7/ 0.11	8 11.0 170 121	2	10 11.5 170 119	15/ 15/ 01/ 9	15.0 15.0 121	4 8.5 150 121	18/ 0:51 0%	9.0 13.5 121	9.5 140 121	avode
P			L-d _m	15.0	15.4	14.5	14,5	151	09/	19.	* 10°	0.50 2.5/	* 5 5:15	20.	190	6 12.0 18.0	11.0 20.0	17.0	17.0	18.0	17.0	17.5	15.6	15.6	15.6	13.5	14/	db.
()			Vdm		=	0.0	9.0	10.0	0.0/	11.5	* (20	/3.5	* /3.0	13.0	//:5	12.6	_	$\overline{}$	11.0	11.0	11.5	11.0		os,	_			is a
Щ	- Land	051	_	4	7	z	e	4	2	14		Co			9	9	00	00	00	10	0/	9	2	2	7	7	2	משש
7		0	Du	٦	7	7	4	9	9	7		10			10	13	()	0/	4	0/	9	10	9	2	7	0	9	gnten
>			Fam	143	143	143	143	141	141	137	134	135	1,33	133	135	137	139	141	143	143	143	141	141	141	141	141	141	tive
œ			mp-	9.0 13.0 Hy3		13.0	10.0 15.0 143	11.5 17.0 141	141 2:51 0.01	10.0 16.0 137		9.5	14.0 21.0 1/33	125 185 133	0.00	11.5 19.0 137	11.0 18.0 139	11.0 16.0 141	10.0 16.0 143	8.0 13.0 143 10	0.0	4 8.0 13.0 141	8.5 12.5 141	3.0	9.0 13.5 141	85 130 141	9.0 13.0 141	affec
2			/dm L	9.0	85-130	15.	0.0	1.51	0.0	0.0	11.0 17.0	125 19.5	10%	25-	12.5	11.5	11.0	1.0	0.0	8.0	8.0 13.0	0.	151	15'	9.0	15.	0.6	10 of
MONTH-HOUR VALUES OF		013	DA Vdm Ldm Fam	ч	7	4 8.5 13.0 143	7	2	7	6	3	1/2	T .	5 /	4 12.5 00.0 135 10	ď	~	+	7	m	2	7	7	2 85 130 141	4	7	3	Fam a median value of effective antenna noise in db above ktb
Ŧ		. 0	Du	7	7	٦	7	7	7	76	9	7		9	1,2	9	e	2	9	•	-9	5	7	5	10	7	7	nediar
Z			Fam [164	144		164		164	164	162	オツ /	ス ツ / *	79/		162	164	77/	166	1991	166		164		797			0
M	(TS.	7) 4	noH	00	7 10	164	03 //	04 164	05	/ 90	07 1/	08	* 60	0	11 162	12	13	4	15	91	17/1	18 164	[∦]	د// 02	21 /	22 164	23 164	12
				O				9	٥	٥	ا	0	J											(4)	W	(4)	-4	

 F_{qm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

1			Ldn	15.0	13.0	12.0	10.5	7.5	5.9	7.5	4,0
9 61		2000-2400	Vdm	10.0	8.5	7.0	6.0	4.5	75/	4.5	2.5
_		-2	De	9	7	8	9	9	~	4	7
Tay		8	D	7	9	9	7	5	3	~	7
4		2(Fam	160	137	811	97	79	5-8	45	20
Apr.			L dm	15.0	15.57	16.0	/3.0	8.5	7.0	2.0	5.0
		8	V _d m	9.5	0.0/	9.5	8.0	2.5	4,5	4.5	2,5
ar.		-20	7 0	1-5	00	7	6	00	5	7	7
≱		1600-2000	n	7	00	2	6	0/	7	n	~
Sedson Spring (Mar. Apr. May) 1961		9	Fam	0 9/	134	112	92	45	15	43	25/
pri			-d	15.5	15,5	17.5	15.0	7.0	8.5	0.0/	15.
SI NO		00	- Am	5.0	0.0/	1).0	9.0	4.0	6.0	2.9	3.5
eas	Œ	9 -	De	7	6	15	/3	10	6	2	2
	(L.S	8	۵	4	11	91	16	17	17	9	9
≥ ×	TIME BLOCKS (LST)	1200-1600	Fam	160	134	0 11	88	43	30	32	74
79.	100		Ę	7.0	0.8	0.6/	3.5	0.8	12,5	0.//	4.5
ij	B	0800 - 1200	-FP	1,5/	0.0	0.0	8.0	5.0	7.5/	7.5-	12.5
Ouc	IM	-12	00	9	/3	7/2	//	00	8	9	~
Ī		8	۵	7	6	0/	//	7	//	00	7
Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W		80	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm	5 7.5 16.0 15-8 5 6 11.5 17.0 160 5 4 10.5 15.5 160 4 5 9.5 15.0 160 4 6 10.0 15.0	8 11.0 165 132 8 13 120 180 134 11 9 100 155 134 8 8 100 155 137 6 7 85 130	13 11.0 17.0 11.0 12.0 13.0 19.0 11.0 11.5 11.0 17.5 11.0 17.5 16.0 11.8 6 8 7.0 12.0	11 8.0 13.5 87 11 11 80 13.5 88 16 13 9.0 15.0 92 9 9 8.0 13.0 97 7 6 6.0 10.5	7 70 120 43 12 8 50 80 43 17 10 40 70 54 10 8 55 85 66 5 6 45 75	5-5590 32 11 8 75/25 30 17 9 6.0 85 51 4 5 45 7.0 5-8 3 3 45 6.5	5 4.0 6.5 30 8 6 7.5 11.0 32 9 7 6.5 11.0 43 3 4 45 7.0 45 3 4 45 7.5	2 1.5 2.5 21 5 3 2.5 4.5 24 6 3 3.5 5.5 25 35 5.0 20 4 3 2.5 40
5			E P	0.9	5.91	17.0	13.5	12.0	9.0	6.5	2.5
La		8	d d d	7.5-	1.0	1.0 /	0.0	7.0%	5.5	4.0	1.5
oue		ŏ	DR	15	8	/3/	11	7	12	ل	7
11 Z		0400-0800	٥	7	9	00	00	9	4	5	4
Cana		04	Fam Du	160	6 90 140 138	7 7.5 12.5 115	93	49	4 4.5 7.5 54	39	20
oa,			-dm	5 10.5 16.0	14.6	12.5		5 5.0 9.0	7.5	2.0	2.5
alb		400	-Van	10.5	9.0	7.5-	6.5 11.0	5.0	3.4	4.0	1.5
		0-	ď	12	9	7	7	5	4	72	
ion		0000-0400	۵	5	6	9	9	9		5 5 4.0 7.0 39	7
Station_		00	Fam Du De Vam Lam	159	139	9 611		89	h 8-5	42	20 4 1 15 25 20
			Frequency (Mc)	. 0/3	. 05-1	091.	495- 99	2,5	2	10	20

 $F_{\mbox{\scriptsize am}}$ = median value of effective antenna noise in db above ktb

 $D_{\boldsymbol{u}}$ = ratio of upper decile to median in db $D_{\boldsymbol{\mathcal{L}}}$ = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power

			L dm	59	13.6	11.5	2.5	9.5	9.0	8.0	4.0
9 61		9	/dm	11.0	7.0	6.5,	5.5	3.5	5.0	5.0	2.0
		2000-2400	De	r		9/	71	e	ત્રે	0	4
lay		8	n	0	13	00	00	00	00	0	7
SedsonSpring (May Apr. May) 19_61		20	T _{am}	154	801	1/2	90	5.9	52	97	23
pr.			투	0.9/	14.0	0.00	8.5	2.0	0.	0.0	5.0
¥		8	V _{dm}	10.5	0.0	7.0	2.5	4.0	5.0	5.5	3.0
t y		-20	70	0	h1	18	=	و-	7	72	4
Ma		1600-2000	P	9/	8/	12,	61	~	5	7	1,2
89		91	Fam	15-4	125-	901	78	53	45	84	24
prin			Ę	Sis	/3.5	12.5	15.9	7.5	0.5	12.6	5.0
onS		00	Vdm	105/	0.0	8.0	45.	2,57	3.0	6.0	3.0
eas	(T	91-	De	~	0	0	7	7	2	9	~
0)	(LS	-00	na	e	70	7.1	8/	0	0	0/	7
W	TIME BLOCKS (LST)	1200-1600	Fam	4-51	727	10/	67	47	38	37	27
5. 1	LOC		Ę.	150	13.5	0.//	8.0	0.7	10.5	75	1.5
). I.	B	00	/dm/	1.0	8.0	7.0	5.0	12.4	3.0	3.5	3.0
_Long. 105.1 W	LIME	0800-1200	De	9	13	61	10	1,2	14	و	7
		9	Dn	7	10	15,	15	7	10	7	7
Boulder, Colorado Lot. 40.1 N		08	De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam	4 105 160 152 5 6 11.0 165 154 6 7 105 155 154 10 7 105 160 154 9 7 11.0 165	11 8.0 13.5 118 10 13 8.0 13.5 20 19 8.0 13.5 125 14 8.0 14.0 128 13 11 7.0 13.0	19 7.0 11.0 92 15 19 7.0 11.0 101 14 19 8.0 12.5 106 15 18 7.0 12.0 112 8 16 6.5 115	7 45 6.0 63 15 5.0 8.0 67 18 4 45 6.5 78 19 11 5.5 8.5 90 8 14 5.5 9.5	6 45 75 45 7 5 25 40 47 9 4 25 45 53 7 6 40 70 59 8 6 55 95	3 4.5 7.0 37 10 5 3.0 5.0 38 9 4 3.0 5.0 5 4 5.0 9.0 5-6 8 2 5.0 9.0	4 40 70 34 7 6 35 55 37 10 6 6.0 9.5 48 4 5 5.5 9.0 46 6 9 5.0 80	3 2.5 4.0 25 5 4 3.0 4.5 27 4 3 3.0 5.0 24 5 2 3.0 5.0 23 4 2 2.0 4.0
t. 4(-dm	16.0	13.5	0.//	6.0	7.5'	7.0	2.0	4.0
La La		-0800	V _{dm}	10.5	8.0	2.0	24	4.5	4.5	4.0	٦, ٢,
0		Õ-	DR	4	11	61	7	9	2	4	~
rad		0400		7	8	/3	11	00	7	9	\sim
Colc		0	Fam Du	152	119	94	99	15	8 2 5.0 9.5 47	39	24 3 2 2.0 3.5 24
er,)	Ldm	15.5	12.5	0.0	15 6.0 10.0	0.0/	9.5	6 3.5 6.0	3.5
ould		400	Vdm	5.01	7.0	6.5	6.0	5.5	5.0	2.5	8.0
m		0-0	De	5	0/	91		11 3 5.5 100	る		る
Station		0000-0400	Fam Du De Vam Lam	2	7	00	00	11		00	\sim
Stat		ŏ	Fam	451 5.51 5.01 - 5 4 H-21	126 12 10 70 125 119	112 8 16 6.5 12.0	88	8_5	55	30	4
			Frequency (Mc)	# 013	+ 051	160	* 495-	* 2.5	*	*	* 20

Fam = median value of effective antenna noise in db above ktb

 $D_{\boldsymbol{u}}$ = ratio of upper decile to median in db $D_{\boldsymbol{\mathcal{L}}}$ = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power V_{dm} = median deviation of average voltage in db below mean power

* No May Data

			Ldn								
6		400	/dm								
May 19_61		2000-2400	De	76	7	76	7	7	0	9	0
ау		00	n	m	~	~	h	9	00	9	4
X		2(Fam Du De Vam Lan	115	85	67	55	27	33	pa	18
or.			Ldm								
Y		00	/dm								
ar.		-2(ργ	4	7	7	4	7	11	4	-
.(Mar. Apr.		1600-2000	۵	3	15	4	3	9	7	4	7
		91	De Vam Lam Fam Du De Vam Lam	114	84	67	56	27	34	عري	8/
7a11			Ę								
on I		8	Vdm L								
Sedson Fall	(T	1200-1600	DE	2	4	7	4	س,	9	2	
G	(LS	9	2	~	5	4	7	2	15	(2)	4
M	TIME BLOCKS (LST)	12	Fam Du	114	82	67	55	26	28	7	19 2
0.0	007		Ę								
J. 1	E B	8	-dmb								
Lon	I W	0800-1200	00	~	Ÿ	7	12	€7	00	2	_
		8	۵	4	12	9	3	7	7	9	~
Lat. 80.0 S Long. 120.0 W		08	De Van Lam Fam Du De Vam Lam	114 2	83	99	55.5	25,	23	10	18 3
÷.			E P								
La La	П	0400-0800	\dm 								
		Õ	γQ	7	4	76	4	4	10	00	4
Ant.		8	٥	4	7	4	h	و	10	5	4
Station Byrd Station, Ant.	Ш	0	Fam Du	114	86	97	5.5	26	26	7/8	18
tati			-dm								
rd S	П	400	V dan								
By		0-	DR	3	4	7	7	7	0/	9	_
ion		0000-0400	Du	٦	12	12	7	8		12	4
Stat		ŏ	Fam Du De Vam Lam	115- 2	84	99	-5-5	25'	30 10	23	18
			Frequency (Mc)	1.50.	. //3		. 545	4.5-	72	0/	20

Fam = median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

أجا			Ldn	13.5	16.0	15.5/	/3.5	11.0	9.0	6.0	4.5	
6		400	Vdrr	9.0	15.	0.5	75	0.0	6.0	4.0	2.	
_		-2	De	3	9	0	2	0	1/2	7	0	
lay		2000-2400	Da	h	1	0	00	00	2	m	76	
2		×	am	158	/3/	107	0 6	19	5-5	43	75	
ï.			m E	0,	6.0	0.0	15.	1/2:	3.0	1,0	10	
V		8	dm/	15.	1,5.	7.0 /	0.	0.0	1,0	1.0.	0	
H.		1600-2000) 7g	4	9	6	2	70,	2	7	4	
Ma		-00	Da	7	0/	7	7	13	7	2	~	
Sedson Fall (Mar. Apr. May) 19 61		16	Fam	157	461	97	757	45	94	42	757	
7a11			r.b	9.5	0.0	4.0	55.	0,	7.5	1/2	0.	
W No		00	Vdm L	2.5	12.5	10.6	5.5	0.5	15.	15.	1,5.6	
eds	(T	91-	De	7	0	7	00	7	10/	2	7	
()	(LS	-00	٥	4	9	/3	16	2	11	~	-9	
回	TIME BLOCKS (LST)	0800-1200 1200-1600	Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lan	4 4 95 155 153 5 4 12.0 1800 154 4 4 125 195 157 5 4 85 14.0 158 4 3 9.0 13.5	6 6 100 1555 114 13 9 13.5 210 120 6 9 12.5 200 124 10 9 9.5 160 131 7 6 9.5 16.0	13 8 10.5 170 77 20 12 130 175 86 13 12 90 14.0 97 12 13 9.0 16.0 107 9 8 9.0 15.5	17 6 75 140 48 23 6 60 95 56 16 8 5.5 85 75 14 9 6.0 115 90 8 9 75 13.5	7 6.5/10.5 21 17 3 55 75 24 13 5 5.0 80 45 13 10 6.0 115 61 8 9 6.0 11.0	4 45 80 26 13 7 50 80 29 11 10 45 75 46 7 8 55 90 55 5 0	3 40 6.0 30 10 5 3.0 6.5 32 7 7 45 75 42 4 3 4.0 7.5 43 3 3 4.0 6.0	1 30 4.5 23 3 2 30 50 23 6 2 3.5 6.0 25 3 2 30 5.0 22 2 0 2.5 4.5	
30.4	LOC		mp_	18.0	21.0	17.5	9.5	75	8.0	2.9	5.0	
g. 1	EB	00	Vdm	0.0	13,5	13.0	6.0	55	5.0	3.0	3.0	
Lon	LIM	-12	De	4	5	7	9	η	7	7	っ	
,,		00	Da	5	13	20	23	17	13	0/	~	
_ Lat. 30.6 S Long. 130.4 E		08	Fam	153	t11	77	84	74	26	30	23	
t. 3			-dm	15.5	15.5	7.0	07,	5.0	0.8	0.7	4.5	
- La		0080-0	Vdm	9.5	10.01	10.5	7.5/	1.5.9	4.5	4.0	3.0	
		Õ–	γQ	4	9	8	9	7	4	ζ,	/	
ia		0400	D	4			17	01	9	5	1	ŀ
tral		Ö	Fam	151	127	46	67	5-1	49	38	44	ľ
Aus			-d m	13.5	15:51	15.0	14.5	2.0,	9.0	2.0	4.0	
ok,		40C	- Ag	9.0	9.5 15.5	9.0 15.0	8.0 14.5	5.5 10.5	5.0	4 4.5	2.5 40 24	
ပို		0-	ď	6	7	9	00	00	7	4	1	:
ion .		0000-0400	D _Q	س	9	.00	00	0	5	4	1	Į,
Station Cook, Australia		ŏ	Fam Du De Vam Lam	15-8	131	701	87	28	52	43	23	
			Frequency (Mc)	, 013	1-50	091.	. 545 87	2.5	12	10	20	

0

0

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

Vdm = median deviation of average voltage in db below mean power

15.		0	Ldn	12.5	5.6	10.0	1,2	9.5	8.5	7.5	2,5
6		2000-2400	\ Pp	7.5	8.0	6.0	3.0	6.0	5.0	4.5	3.0
_		1-2	De	n	9	12	7	12	~	12	7
ſay		00	na	m	12	7	4	9	7	12	7
Apr. May) 19 61		Ŋ	Fam	151	119	98	16	5.5	52	44	00
pr.			-da	11.5	15.51	0.01	5.5	6.5	9.0	8.5	40
A		1600-2000	V dm	7.5	0.0/	6.0	3.0	4.0	5.0	ه.ک	25
ar.		-2(De	4	8	7	5	72	12	7	7
X		00	n	5	01	11	77	7	8	7	W
Sedson Spring (Mar.		91	Fam	150	114	90	67	44	49	48	20
Spri			-dm	/3.5	17.0	17.5	6.0	5:0	0.5	9.0	4.0
no		000	Vdm	9.0	11.5	6.5	3.5	45	6.5	5.0	2.0
seas	T)	9 -	DR	7	10	00	4	~	9	7	3
	15	00	n	~	8	01	11	5	00	5	3
回	TIME BLOCKS (LST)	1200-1600	Fam	151	112	90	5-5	30	34	43	20
7.3	007		Ψþ	16.5	18.0	0.0/	4,5	5.5	8.5	8.5	25.
-	E :	8	J mb	10.5	12.51	6.5	2,5,	4.0	0.9	5.5	2.0
Lon	LIMIL	0800-1200	70	3	00	9	7	7	7	7	8
z		8	۵	7	6	11	9	4	9	15	3
Enkoping, Sweden Lat. 59.5 N Long. 17.3 E		08	Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam Du Dr Vam Lam Fam Du Dr Vam Lam	3 10.5 16.5 146 4 3 10.5 16.5 15.1 3 4 9.0 13.5 15-0 5- 4 7.5 11.5 15-1 3 3 7.5 123	6 105 160 103 9 8 125 18:0 112 8 10 11.5 17:0 114 10 8 10:0 15:5 119 5 6 8:0 12.5	9 40 80 87 11 6 6.5 120 90 10 8 6.5 11.5 90 11 7 6.0 10.0 98 7 5 6.0 10.0	4 2.5 45 53 6 4 25 45 55 11 4 3.5 6.0 67 12 5 3.0 5.5 76 12 7 3.0 5.5	5 6.0 8.5 30 4 4 4.0 5.5 30 5 3 45 6.5 44 7 5 4.0 6.5 56 6 5 6.0 9.5	4 55 8.0 32 6 5 6.0 8.5 34 8 6 6.5 ps 49 8 5 5.0 9.0 06 4 5 5.0 8.5	4 5.5 8.0 39 5 4 5.5 85 43 5 5 50 9.0 48 5 5 5.0 8.5 44 5 5 45 75	1 1530 19 3 2 20 35 20 3 3 20 40 20 3 2 2 40 18 2 2 20 3.5
+			Ę.	16.5	0.91	8.0	4.5	8.5	8.0	8.0	3.0
, La		0400-0800	V _{dm}	10.5	5.01	4.0	2.5	6.0	3.5	5,5	1.5.
		ŏ	γQ	3	9	6	7	12	4	7	_
eder		8	Dn	M	7	8	10	9	4	7	7
Sw		70	ng m	148	501	86	5.5	38	43	40	08/
guic			mb-	15.0	0.41	2.0		2.0/			25
nkol		400	Vdm	90%	8.5	6.0 10.5	4.0	7.0	5.0	4.0	1.0
		Ŏ-	De	3 90 15.0	4 8.5 14.0	7	7 4.0 6.0	7	5 5.0 8.5	5 4.0 6.5	1 1.0 2.5
ion_		0000-0400	Da	3	12	7		6 4 7.0 10.5	1/2	7	_
Station_		8	Fam Du De Vam Lam	15.21	117 5	102	70 15	5-4	53	39	8/
			Frequency (Mc)	L-21 510,	1-20.	09/.	.495	2.5	3	10	80

Fam = median value of effective antenna noise in db above ktb

 $D_{\boldsymbol{u}}$ = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

RN-14

19 61
May_)
Apr.
(Mar.
Season Spring
. 78, 2 W
Long
Lat. 38.8 N
Virginia
Front Royal, V
Station

		رّــ								
	400	Vdm								
	-2	De	0/	1	0/	10	7	1		
	000	Da	0/	7	0	1	e	る		
	20	Fam	011	85	72	67	49	23		
		Ę.								
	8	/dm/L								
	-20	DE	0/	9	00	~	9	7		
	00	n		20	9/	1	7	4		
	91	Fam	001	99	50	52	51	26		
		Ę.								
	00	Vdm								
(T	91-	DR	2	7	7	m	7	8		
(LS	- 00	D	Z	7	01	a	e	~		
XXS	12	Fam	26	19	3/	29	43	44		
0		Ψþ								
E E	00	Vdm								
Σ L	-12	70	7	~	~	3	^	/		
•	00	Da	11	7	7	7	. 9	8		
	90	Fam	46	70	33	32	40	24		
		-dm								
	90	/dm								
	0	₹Q	00	7	8	00	. W	/		
	9	1	7	10	9	00	9	_		
	ŏ	r _E	90	69	57	53	43	25		
		Ldm								
	9400	Vdm								
	0-0	De		=		0	7	_		
	00	۵	0	0	~	~	0	_		
	0	Fam		88	73	99	43	he		
		Frequency (Mc)	. 135	. 500	2.5	1.5	0/	20		
	TIME BLOCKS (LST)	TIME BLOCKS (LST) 0000-0400 0400-0800 0800-1200 1200-1600 1600-2000 2000-2400	TIME BLOCKS (LST)	TIME BLOCKS (LST) 0000-0400 0400-0800 0800-1200 1200-1600 1600-2000 2(Fam Du De Vam Lam Du De Vam Du De Vam Lam Du De Vam TIME BLOCKS (LST) 0000-0400 0400-0800 0800-1200 1200-1600 1600-2000 26 Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Fam Fam Fam Fam Fam Pu De Vam Lam Fam Fam Fam Fam Pu De Vam Lam Fam Fam Fam Pu De Vam Lam Fam Fam Fam Pu De Vam Lam Fam Fam Pu De Vam Lam Fam Fam Fam Pu De Vam Lam Fam Pu De Vam Lam Fam Fam Pu De Vam Lam Fam Fam Pu De Vam Lam Pu De Vam Lam Fam Pu De Vam Lam Pu De Vam Pu De Vam Lam Pu De Vam	TIME BLOCKS (LST) OOOO-0400 O400-0800 O800-1200 1200-1600 1600-2000 20 Fam Du De Vam Lam Fam Du De Vam De Vam De Vam De Vam De Vam De Vam De Vam De Vam De Vam De Vam De Vam	TIME BLOCKS (LST) 0000-0400 0400-0800 0800-1200 1200-1600 1600-2000 2(Fam Du De Vam Lam Fam Du De V	TIME BLOCKS (LST)	TIME BLOCKS (LST)	TIME BLOCKS (LST) 0000-0400 0400-0800 0800-1200 1200-1600 1600-2000 20 Fam Du De Vam Lam Du De Vam De Vam Lam Du De Vam Lam Du De Vam Lam Du De Vam De Vam Lam Du De Vam De	

 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb

 $D_{\boldsymbol{u}}$ = ratio of upper decile to median in db $D_{\boldsymbol{\mathcal{L}}}$ = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

RN-14 USCOMM-NBS-BL

-1			لر	14.0	17.0	16.	13.	10.5	8.0	5,5	3.5
9 6		400	V Pp	8.0	10.0	9.5	9.0	6.5	4.5	3.0	2.0
_		-2	De	7	Μ	8 6 9.5 16.	8 6 8.0 13.	٦	Μ	7	4
ſay		2000-2400	۵	m	10	00	00	0	00	w	_
		2	T _E	150	120	95	75	3.7	47	39	25,
pr.			투	18.5	15.5	SX	7.0	2,5	12	15	12.
Z.		8	/dm/	17.5/	7.5	1.5.	4.5	3.0	5.0 8	1.0	1/5!
ar.		-20	70	7	29	72	9	12	7	7	7
M		1600-2000	۵	7	11	17	14	9	00	7	4
SedsonSpring (Mar. Apr. May) 1961		9	Fam	911	105	26	8-8	37	32	34	25
orin			투	0.81	19.5	14,5	6.0	4.5	2.0	9.0	1,5
OnSi		8	- Am	11.5	5.71	8.9	35,	2.5	4.0	5.5	2,5,
Seas	ST)	9-	De	76	9	4	7	7	5	7	ィ
	(L.s	8	na	7	/3	14	17	9	,2	10	~
M.	TIME BLOCKS (LST)	1200-1600	Fam	147	107	71	51	32	کہ	15	イン
59.7			Ę	16.5	17.0	14.5	5.0	5.0	7.0	62	4.0
g. 1	E B	0800-1200	-da	10,5	10.5	8.0	3.0	3.0	45	4.0	۵.۶
Lon	TIM	-12	0%	n	7	4	Ч	4	4	7	_
		8	D	w	13	12	15	9	7	00	ィ
Station Kekaha (Kauai), T.H. Lat. 22.0 N Long. 159.7 W		80	Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam	2 10.0 16.5 149 3 3 10.5 165 147 4 2 11.5 180 146 4 2 11.5 185 150 3 2 8.0 14.0	4 10.5 17.0 106 13 5 10.5 17.0 107 13 6 125 195 105 11 6 9.5 155 120 10 3 100 17.0	6 8.5 15.0 73 12 4 8.0 14.5 71 14 4 8.0 14.5 76 12 5 6.5 12.5 95	7 70 12.0 52 15 4 3.0 5.0 51 17 4 35 6.0 58 14 6 45 7.0 75	6 6.0 9.5 34 6 4 3.0 5.0 32 6 4 2.5 4.5 37 6 5 3.0 4.5 52 8 5 6.5 105	5 6.0 10.5 24 7 4 4.5 7.0 22 5 4.0 7.0 32 8 5 5.0 8.5 47 8 3 4.5 80	4 2.5 4.5 21 8 4 4.0 65 15 10 4 5.5 9.0 34 5 4 4.0 6.5 39 3 4 3.0 5.5	1 1.5 3.0 22 2 1 2.0 40 22 2 2 25 4.5 25 2 2 2.5 4.5 25 1 2 2.0 3.5
1. 2			Ldm	16.5	17.0	15.0	12.0	9.5	10.5	4.5	3.0
7		-0800	/dm	10.0	10.5	8.5	2.0	6.0	6.0	2.5	1,5/
Ħ.			D.A	っ	4	9	7	6	12		_
), T		0400	۵	m	5	8	/3	7	,	7	
auai		Ŏ	Fam Du	L-21 8.5 14.5 15-21	125	86	68 13	5-1	47	36	1 1.0 2.5 25
a (K		0	-F	14.5	4 10.0 16.5	9.5 16.0	5- 10.0 16.5	4 6.5 10.5	5.11 0.7	4 25 45	S.S.
kah		940	> Fe	8.5	10.0		10.0	6.5	0.9	2,5	1.0
Ke		0-0	ď	~	7	12		ħ	9	7	_
tion		0000-0400	Fam Du De Vam Lam	7	5	7	10	00	9	39 4	757
Sta		0	Fam	5-51	128	201	28	54	62	39	2
			Frequency (Mc)	.013	. 051 128	. 160	-495-	2.5	72	0/	20

Fam = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

			Ld	/3.S	74	//	10	7.6	//.s	\ <u>``</u>	m
9 6		400	Vdm	8.5	2:8	5 7.0	0.9	4.5	6.5	3.0	7.5
(-2	DR	7	7	5	8 9 6.0 10	8 6 4.5 7.0	7	7	4
ſay		2000-2400	Du	4	7	00	8	S	9 7 6.5 11.5	9	マ
Apr. May 19 61		2	Fam Du De Vam La	154 4 4 8.5 13.5	6 9.5 155 110 12 6 125 185 114 7 5 10.5 17.0 116 8 5 100 145 127 4 4 85 14	8 8.5 14.5 80 17 8 8.5 13.0 79 14 7 8.0 12.5 88 11 8 9.0 14.5 103	68	54	79	45 6 4 3.0 5.9	3 1 15 3.0 24 8 2 2.0 3.5 25 7 2 20 3.5 27 5 3 25 4.0 25 2 2 2 1.5 3.
pr.			Ldm	/3.0	14.5	14.5	10.0	0.0	8.0	6.0	4.0
4		000	V _{dm}	0.8	10.0	9.0	12.0	5.0	5:0	4.0	2,5
н.		-20	De	7	5	8	9 5 6.5 10.0	7	6 6 5:0 8:0	7	2
Ma		1600-2000	n	4	00	1	6	7 4 5.0 8.0	e	7	7
Sedson Spring (Mar.		91	Fam	152	911	88	he	1/1	4 6.0 9.0 47	5	27
pri			-dm	120	17.0	2.5	8.0	2.0	9.0	2.0	3.5
S uo		000	V _{dm}	1.5	70.57	8.0	5.5	4.5	6.0	4.0	2.0
Seas	ST)	1200-1600	De	8	5	7	4	W	4	7	~
		00	n _o	7	7	hI	7	و	6	2	2
三	TIME BLOCKS (LST)	12	Fam Du De Vamlam Fam Du De Vamlam Fam Du De Vamlam	7 8.0 13.0 149 4 3 11.0 16.5 150 4 3 115 17.0 152 4 2 8.0 13.0	114	79	66 7 4 5.5 8.0	32 6	5 55 70 30 9	5 25 45 31 7 4 40 20 43 7 4 40 60	25,
40.) I I		L-dm	76.5	185	/3.0	8.0	3 5.0 7.0	7.0	4.5	3.5
g. <u>1</u>	EE	00	Vdm	11.0	12.5	8.5	5.0	5.0	5.5	7.5	0.4
Lon	MIL	-12	De	2	9	00	4	3	5	72	8
7		0800-1200	۵	4	7	17	8	9	6	6	8
Lat. 35.6 N Long. 140.5 E		08	Fam	149	011	80	5 6.0 9.5 65 8 4 5.0 8.0	33	5-559.0 31	3 4070 30 6	ンペ
t. 3			Du De Vam Lam	13.0	15.5	14.5	9.5	6 4 6.5 9.5	9.0	2.0	5.0
- La		300	/dm	8.0	25.	8.5	6.0	6.5	5.5	4.0	7:/
		0-0800	ρD	7	9	8	5	4	72	<i>~</i>	_
		001	n	7	7	11	7	9	7	9	~
oan		040	Fam	151	611	89	68	44	47	37	25 21 1.5 2.5 25
Jaj		(Ę	12.57		/3.0	70.5	9.0	00.5	6.0	75.4
ira,		400	V _d m	0.8	0.6	7.0	6.0	6.0	5:0 8:5	5 3.0 6.0	1.5
Oh		0-	De	~	4 9.0 140	5 70 13.0	7 6.0 10.5	12	7	7	-
ion_		0000-0400	na	12	4		6	00	9	9	7
Station Ohira, Japan		00	Fam Du De Vam Lam	153	128	105 6	18	54	45	44	25,
			Frequency (Mc)	. 0/3	150	09/.	. 495	\2, C	12	01	20

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

D_L = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power

ارا			L p								
9_6		400	Vdrr								
		-2	De	7	7-1	74	0/0/	0	9	00	0
fay		2000-2400	Du	0	11 11 11	2	10	9	9	de	12
4		2(m _o	134	611	H 6 801	97	89	55	36	0 5 81
Apr. May) 19 61			m p								
		8	/dm/								
lar.		-20	De	0	14	8/	9/	//	10	10	2
(Mar.		1600-2000	D	2	14	81 81 96	100	14	6	5 10	5
		91	Fam	/3/ /2	H H 511	96	83 18 16	57	5.2	40	23 5
Segson Fall			-d								
O		8	\dm								
spec	(T	91-	De	0/	9/	00/	00	6	0/	00	76
		1200-1600	٥	14	20	85 28 18	36	37 24	31 15 10	6	7
回	TIME BLOCKS (LST)	12	Fam	01 H1 881	108 20 16	85	64 36	37	31	32	オイ
Long. 28.3 E	007		r p								
g. [2]	E B	0800-1200	-dm L								
Lo	TIM	-12	De	14	20	6	0	9	9	6	
		00	na	14	16	76 26	10	35-11	14	00	7
Station Pretoria, S. Africa Lat 25.8 S		80	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm	H H 081	102 16 20	76	3-9 16	35	41 8°	79	7 61
t. 25			-dm								
٦		-0800	/dm								
ю		Õ	γQ	15	15,	11	9	01	8	5	0
fric		0400	ص	14	16	87 20	16	//	00	6	
S. A		Ő	Fam Du	P1 25/	107	87	73	55	49	30	18
ia,											
etor		400	V dm								
Pr		0-0	ďq	7	hi	7	0/	8	9	5	0
tion		0000-0400	Fam Du De Vam Lam	8	く	7	11	9	9	e	4
Stat		Ŏ	Fam	/32	h1 21 611	El 401	92	63	ps.	ಸ್ಗ	8/
			Frequency (Mc)	1-50,	. 1/3	346	. 545 gs	2.5	12	0/	20

Fam = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

5	ı
Feb.	
Jan.	
Dec.	
Season Summer	
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ong-	ı
t. 25.8 S	
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S. Africa	
Pretoria,	
Station_	

9 60-61

		Ldm								
	2000-2400	Vdm								
)-2	De	00	11	10	0	2	7	~	~
	000	na	∞	0	11	0	2	25 75	7	9
	2(Fam	/36	120	106 11 10	95	89	25	43	21 6 3
	(Ldm								
	000	Vdm								
	1600-2000	De	1	15	10	16 23	/3	10	W	h
	300	Da	0/	13	14	9/	H 65	00	7	2
	91	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du De Vdm Ldm	/39	123	108 14	92	59	15	1/2	76
		L-dm								
	1200-1600	Vdm								
ST)	<u>–</u>	DR	2	16	25-	25	13	6	7	~
E	00	a	0	4	91	20	46 20 13	61	20	7
TIME BLOCKS (LST)	12	Fam	135	91 2 811	102 16 25	82 20 25	46	32	35	24 5 3
COC		-dm								
E	00	Vdm								
TIM	0800 - 1200	De	8	11	00	4	5	M	12	イ
	00	Du	14	24	28	h he	6	7/	2 5	7 5 07
	90	Fam	til 611	94	74 28	59	35	7/ hr	27	70
		Ldm								
	0080-	Vdm								
	Ö	DR	9	7	7	5	6	7	9	~
	0400	۵	=	9/	2	20	0	∞	4	7
	Ő	Farm Du	125	103	79	65	15	94	36	61
		Fam Du De Vam Lam								
	400	V dm								
	0000-0400	ď	00	10	10	10	2	5	7	_
	000	D	6	10	11	11	2	00	9	c
	ŏ	Fam	134	117 10	103	92 11	64	45	39	8/
		Frequency (Mc)	134	. //3	11 801 346	545	7.5	75	10	20

Fam = median value of effective antenna noise in db above ktb

 $D_{\boldsymbol{u}}$ = ratio of upper decile to median in db $D_{\boldsymbol{\mathcal{L}}}$ = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power Ldm = median deviation of average logarithm in db below mean power

This sheet is a correction for corresponding sheet appearing in Technical Note No. 18-9.

USCOMM. NES-BL

1			Ldm								
9_6		2000-2400	\ Pp								
(-		9-5	De	15-6 3 4	7	12	9	12	M	7	7
May		8	na	~	7	-9	79	9	56 4 3	46 4	\sim
		2	T _m	15-6	127 4	109 6	86	09	37	46	74 3 7
\pr.			Ę,								
7		8	/dm								
ſar.		1600-2000	γq	2	7	11	0	9	7	9	\sim
2		8	Da	5	14	11 51 66	20	1.6	10	10	12
ng (9	Fam	155 5	41 001	66	73	44	46 10	84	28 5-3
Sedson Spring (Mar. Apr. May.) 19_61			-dm								
on 3		000	/dm J								
Seas	ST)	91-	De	4	9	0/	10	5	7	7	3
	(L.	1200-1600	o	5 4	10	01 41 66	65 20	14	/3	6	28 5 3
W	TIME BLOCKS (LST)	12	De Van Lam Fam Du De Van Lam Fam Du De Van Lam Fam Du De Van Lam Fam Du De Van Lam	15-5	120	66	651	34	29	36	28
6.8	SI_OC		-da								
g.	EE	0800-1200	/dm								
Lon	TIM	-15	ďQ	4	7	7	7	5	12	12	γ
z		8	۵	7	//	10	14	10	- 1	00	25- 4 3
Lat. 33.9 N Long. 6.8 W		Ö	Fam	152 4	114 11 7	26	63	34	28 11 5	32 8 5	25,
ıt			Ldm								
_ 		0400-0800	Vdm								
		0-0	₹Q	5	5)	6	2	79	12	7	7
00		4	Fam Du	7	9	01	11	10	9	2	0
oroc		0		15-5	121	99	89	50	50	42	12
Station Rabat, Morocco			Fam Du De Vam Lam								
abat		0000-0400	Vdm								
R		0-0	DR	9	4	9	7	9	~	4	٦
tion		000	۵	7	~	2	%	7	57 4	12	
Sta		0	Fam	15-6 4	136 6	112	pg.	25	52	47	2
			Frequency (Mc)	. 013	1-50.	091.	.495	2.5	72	01	مړه

Fam = median value of effective antenna noise in db above ktb

 $D_{u}=$ ratio of upper decile to median in db $D_{\mathcal{L}}=$ ratio of median to lower decile in db $V_{dm}=$ median deviation of average voltage in db below mean power

		2000 - 2400	Ldr	180	16.0	14.	2	10.	11.6	9.5	7:
96			Vdm	/3.0	10.5	95.	2.5	6.5	2.0	6.0	4.0
			De	00	91	73	14	8	2	7	9
Aay			Du	13	17	12	2	2	7	þ	\sim
Sedson Fall (Mar. Apr. May) 1961		20	Fam	/115	96	8	18	65	65	52	36
pr.		1600-2000	mb l	15.0	13.0	7.5	9.0	9.0	9.0	2.0	4.5
¥			Vdm V	2.0	8.0	75.	8.0	5.0	2,0	75/	3.0
ar.			ď	0	~	7	14	0	79	7	12
×			n	17	19	19	/3	/3	2	2	9
			Fam	1/3	89	76	79	55	5-9	53	36
7a11			-d	15.0	10.57	0.7	9.5.	6.6	0.//	9.0	25.5
on 1		00	V _{dm}	10.0	7.0.	6.5	1,5.2	5.0	6.5	5.0	25.
eas	(T	9	06	10/	00	0	14	7	9	2	9
0)	ST)	00	م	17	20	19	~	19	12,	00	12
W	TIME BLOCKS (LST)	1200-1600	Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lar	101	8	70 15 10 9.5 15.0 65 14 7 75/20 67 19 9 6.5 11.0 76 19 12 75/25 82 15 13 9.5/43	11 14 9.0 13.0 74 13 11 120 14.0 77 12 14 85 9.5 19 13 14 80 9.0 81 12 14 855 12	10 25 115 35 9 5 45 75 36 19 7 50 90 55 13 9 5.0 9.0 65 7 8 6.5 10.	8 7.0 11.0 42 5 12 6.0 10.0 41 15 6 6.5 11.0 59 7 6 5.0 9.0 65 4 7 7.0 11.0	6 6.0 9.0 44 7 6 5.5 9.5 45 8 7 5.0 9.0 53 7 5 4.5 7.0 54 4 5 6.0 9.5	4 40 4:51 34 3 5 45 65 34 5 6 25 5.5 36 6 5 3.0 4.5 36 3 6 40 3.5
8.2	LOC		Ę	0.61	1.5	2.0	0.41	7.5	0.01	9.5	2
J. 4	E B	00	dm ^L	13.0	8.0	75.	0.0/	4.5	6.0	5,5	4.5
ono	IMI	0800-1200	De	1	7	2	11	15	4	9	12
		8	۵	14	7	14	13	6	12	2	~
Lat. 23, 3 S Long. 45, 8 W		08	Fam	707	79	65	74	35-	なな	44	34
1. 2			r p	0.8	45	15.0	3.0	11.5	11.0	9.0	15.
Lai		00	/dm/	3.0	0.0/	9.5	9.0	7.5	2.0	0.9	4.0
		0-0800	DR	×	(م	01	14	0/	8	-9	7
H		8	na	14	18	15	"	8	-9	00	
Station São José, Brazil		0400	r _e	111	83	70	75-	57	5.00	1/6	5 73-5 5-5 34 3
é, I		0000-0400	₽ E	19.0	15.5/	15.	0.5/	0.//	17.5	9.0	1/2
Jos			Z mb	35	11.5	13:11	12.0	7.5	7.5	12	12,
São			De	1	9/	14	141	01	9 7.5 11.5 58	7 6.5 9.0	5
ion			۵	-	00/	12,	7	2	2	9	7
Stat		8	Fam	115	95	81 15 14 11.5 16.5	75	63 7 10 7.5 11.0	23	51	35-3
			Frequency (Mc)	. 051 115 11 11 135 150 111 14 12 13.0 18.0 104 11 13.0 19.0 107 17 10 10.0 15.0 113 14 9 10.0 15/ 115 11 11 11 11 11 11 11 11 11 11 11 11	113 95 18 16 11515 87 18 12 10.0 145 79 12 7 8.0 115 82 20 8 7.0 105 89 19 12 8.0 130 96 17 16 105 16.0	346	0.51 2.01 41 41 25 15.0	2.5	5	10	90

Fam = median value of effective antenna noise in db above ktb

Ldm = median deviation of average logarithm in db below mean power $D_{\underline{u}}$ = ratio of upper decile to median in db $D_{\underline{\mathcal{L}}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power

	_									
TIME BLOCKS (LST)		Ldm	13.5	15.5	15.0	/3.5	9.0	6.0	65	5.0
	400	Vdm	9.5	9.5	9.0 15.0	8.0	5.0	3.5	3,5	3.0
	-2	De	4 9.5- 13.5	5	4	h 9	7	2	3 3.5 65	1
	2000-2400	Da	12	12	6	2	7	4	3	7
		Fam	4 4 10.0 15.0 162 5	7 11.5 18.5 141 5 5 9.5 15.5	77/	96	9 7 6.5 11.0 64	19	1 40 6,5 57	29
	1600-2000	mb-	15.0	18.5	0.8/		11.0	75.	6.5	0.9
		V _{dm}	0.01	11.5	0.//	9.5 17.0	5.9	5.0	4.0	35
		DR	2	7	7 11.0 18.0	30	7	7	1	~
		۵	7	7	7	8 6	2	9	4	e
		Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm	4 120 185 165	143	122	76 23 12 14.0 2000 96 16 16 16 13.0 23.5 97	9 9.5/4.0 48 20 11 10.5/20 62	7 9,514,0 42 17 10 9,5150 57 6 4 5.0 9,5 61	40 12 5 8.0 13.0 49	2 3.0 4.5 23 6 2 3.5 5.5 28 12 4 4.0 6.0 29 6 3 35 6.0 29 4 2 3.0 5.0
		-Fp	18.5	0.000	22.5	23.5	17.0	15.0	/3.0	6.0
	1200-1600	Vdm	12.0	12.5	13.5	13.0	10.5	9.5	8.0	4.0
		De	7	00	7/	16	11	0/	5	7
		٥	9	11	/3	16	20	17	7	12
		Fam	7 130 195 164	14.5 22.0 141 11 8 12.5 20.0 143	120	96	84	42	40	38
	0800-1200	E P	5.61	22.0	24.0	20.05	0.40	0.4.0	5.41	5:57
		dh.	/3.0	14.5	15.0	0.40	9.5	9.5	9.5	3.5
		70	2	00	11	7		7	7 9.5 145	~
		٥	7	00	14	2	17	11	9	7
		Fam	160 4	28 12.0 19.0 132	25/ 25 25/ 2/ 81 05/ 040 03/ 11 41 80/	76	38	37 11	36	23
-	0400-0800	Ldm	16.0	19.0	21.5	0.12	140	4 65 11.0	8.5	4.5
		V _{dm}	5 10.5 16.0	12.0	9 13.0 21.5	0 13.0 21.0	6 8.0 14.0	6.5	5.5 8.5	3.0
		DA	7	00	9	10	9	4	72	べ
		٥	7	7	9	/3	5	7	4	7
		Fam Du De Vam Lam Fam	4 9.5 W.S 162	137	5 9.5 15.5 116	84	4 6.5 12.5 62	26	44	25 3 2 25 40 24
	0000-0400	Ldm P	14.5	16.0	15:51	14.5	12.5	9.0	8.0	4.0
		V _d m	2.6	5 10.0 16.0	9.5	8.0	6.5	5.5 9.0	6 5.0 8.0	2.5
		DR	7		7	9	4	3	9	1
		Po	4	~	2	12	4	3	9	7
		Fam	163	142 3	2 141	96 5 6 8.0 14.5 84	77	60	48	25
		Frequency (Mc)	. 0/3	, 051	. 160	545	2.5	5	10	20

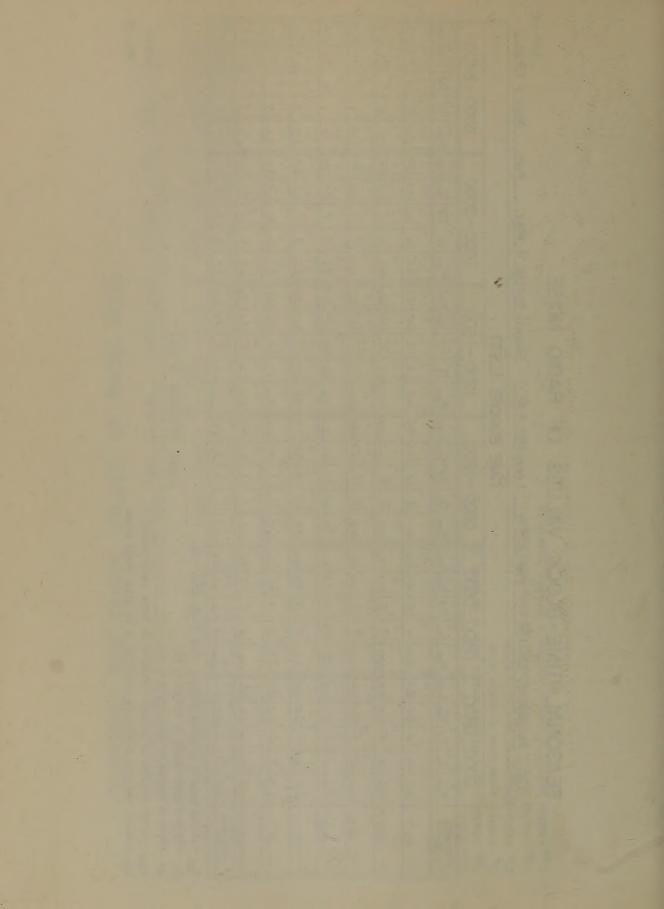
Fam = median value of effective antenna noise in db above ktb

 $D_{m{u}}$ = ratio of upper decile to median in db $D_{m{\mathcal{E}}}$ = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power V_{dm} = median deviation of average voltage in db below mean power

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